

Sorenshein

# Water-Quality Data for the Ground-Water Network in Eastern Broward County, Florida, 1983-84

U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT 86-313

Prepared in cooperation with the

BROWARD COUNTY ENVIRONMENTAL QUALITY CONTROL BOARD



## CONVERSION FACTORS

For readers who prefer to use International System (SI) units, conversion factors for terms used in this report are listed below:

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
gallon per minute (gal/min)	0.00006309	cubic meter per second (m <sup>3</sup> s)

WATER-QUALITY DATA FOR THE GROUND-WATER NETWORK

IN EASTERN BROWARD COUNTY, FLORIDA, 1983-84

*Records*  
By Bradley M. Waller and Frank L. Cannon

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Tallahassee, Florida

1986



UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

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For additional information  
write to:

District Chief  
U.S. Geological Survey  
Suite 3015  
227 North Bronough Street  
Tallahassee, Florida 32301

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# WATER-QUALITY DATA FOR THE GROUND-WATER NETWORK

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## ABSTRACT

During 1983-84, ground water from 63 wells located at 31 sites throughout eastern Broward County, Florida, was sampled and analyzed to determine baseline water-quality conditions. The physical and chemical parameters analyzed included field measurements (pH and temperature), physical characteristics (color, turbidity, and specific conductance), major inorganic ions, nutrients (nitrogen, phosphorus, and carbon), selected trace metals, and total phenolic compounds. Ground-water samples were collected at the end of the dry season (April), during rising water levels (June and July), and during yearly peak water levels (September and October). These data are tabulated, by well, in this report.

## INTRODUCTION

Broward County is underlain by the highly permeable Biscayne aquifer, which has been designated by the U.S. Environmental Protection Agency as the sole source of potable water in southeast Florida. The aquifer receives recharge by rainfall throughout most of the county. Increasing growth and development of Broward County has brought greater potential for contamination from sewage effluent, urban stormwater runoff, industrial and agricultural waste, and transportation corridors. Previous investigations by Russo (1974), Pitt (1975), Waller and others (1975), Mattraw (1976), Waller (1978), Mattraw and Miller (1981), and Waller and Miller (1982) addressed the effects of contamination in canal waters and in shallow ground water near known contaminant sources such as landfills and sewage polishing ponds. Water managers have continued to express needs for information on background or baseline ground-water quality conditions within the county so that any future changes in the water quality can be assessed.

The U.S. Geological Survey, in cooperation with the Broward County Environmental Quality Control Board, investigated the water quality in the Biscayne aquifer and determined baseline conditions in the vicinity of Broward County, east of the water-conservation areas.

### Purpose and Scope

The purposes of this investigation were to:

1. Design a ground-water quality monitoring network in eastern Broward County to determine the areal, vertical, and seasonal water quality in the Biscayne aquifer;
2. Establish baseline water quality in the Biscayne aquifer;

3. Identify areas in the county where contamination is evident, or where there is a potential for aquifer contamination.

The purpose of this report is to present in tabular format all the physical and chemical data from analyses of ground water collected during this investigation.

The scope of this investigation included the establishment of a ground-water quality network in eastern Broward County, Fla. The network consists of 63 wells (table 1) at 31 sites (fig. 1). Of these wells, 13 were in existence prior to the beginning of this investigation in 1981, 40 were completed between 1981 and 1983, and 10 were completed in 1984.

Sampling began in April 1983 and continued through July 1984. Chemical constituents analyzed were major inorganic ions, nutrients, TOC (total organic carbon), trace metals, phenols, and COD (chemical oxygen demand). Field measurements included temperature, specific conductance, and pH. Chemical analyses were performed at the U.S. Geological Survey laboratories in Ocala, Fla., and Atlanta, Ga.

#### Acknowledgments

The authors thank all individuals and agencies who allowed the U.S. Geological Survey to install and sample wells on their properties. Gratitude is also extended to Victor N. Howard, Pollution Control Officer, and Frances Henderson, both of the Broward County Environmental Quality Control Board for their support of this investigation and ongoing water-quality investigations within the county.

#### DATA COLLECTION

Ground-water samples were collected during the end of the dry season (April), during rising water levels (June and July), and during yearly peak water levels (September and October). All samples were collected with a centrifugal pump after the wells had been purged five casing volumes. Water samples were filtered and treated in the field and shipped to the laboratories within 3 days of collection.

#### WATER-QUALITY DATA

Water-quality data are presented in table 2 and are arranged in the same order as listed in table 1. Site locations are shown in figure 1 and are cross referenced to the map index numbers given in table 1. The tables are presented for well locations, generally from north to south.

#### REFERENCES CITED

- Matraw, H. C., Jr., 1976, Ground-water quality in the Davie landfill, Broward County, Florida: U.S. Geological Survey Water-Resources Investigations 75-56, 29 p.

- Mattraw, H. C., Jr., and Miller, R. A., 1981, Stormwater quality processes for three land-use areas in Broward County, Florida: U.S. Geological Survey Water-Resources Investigations 81-23, 56 p.
- Pitt, W. A. J., Jr., 1975, Effects of a landfill operation on ground-water quality in north Broward County, Florida: U.S. Geological Survey Open-File Report 75-405, 48 p.
- Russo, T. N., 1974, Indicators of organic contamination in Plantation Canal, Broward County, Florida, 1971-72: Florida Bureau of Geology Report of Investigations 70, 38 p.
- Waller, B. G., 1978, Effects of land use and water management on water quality in the western South New River Canal basin, southeast Florida, 1974-75: U.S. Geological Survey Water-Resources Investigations 78-30, 56 p.
- Waller, B. G., and Miller, W. L., 1982, Assessment of water quality in canals of eastern Broward County, Florida, 1969-74: U.S. Geological Survey Water-Resources Investigations Report 82-3, 70 p.
- Waller, B. G., Miller, W. L., and Beaven, T. R., 1975, Water-quality data for canals in eastern Broward County, Florida, 1969-74: U.S. Geological Survey Open-File Report FL-75009, 156 p.

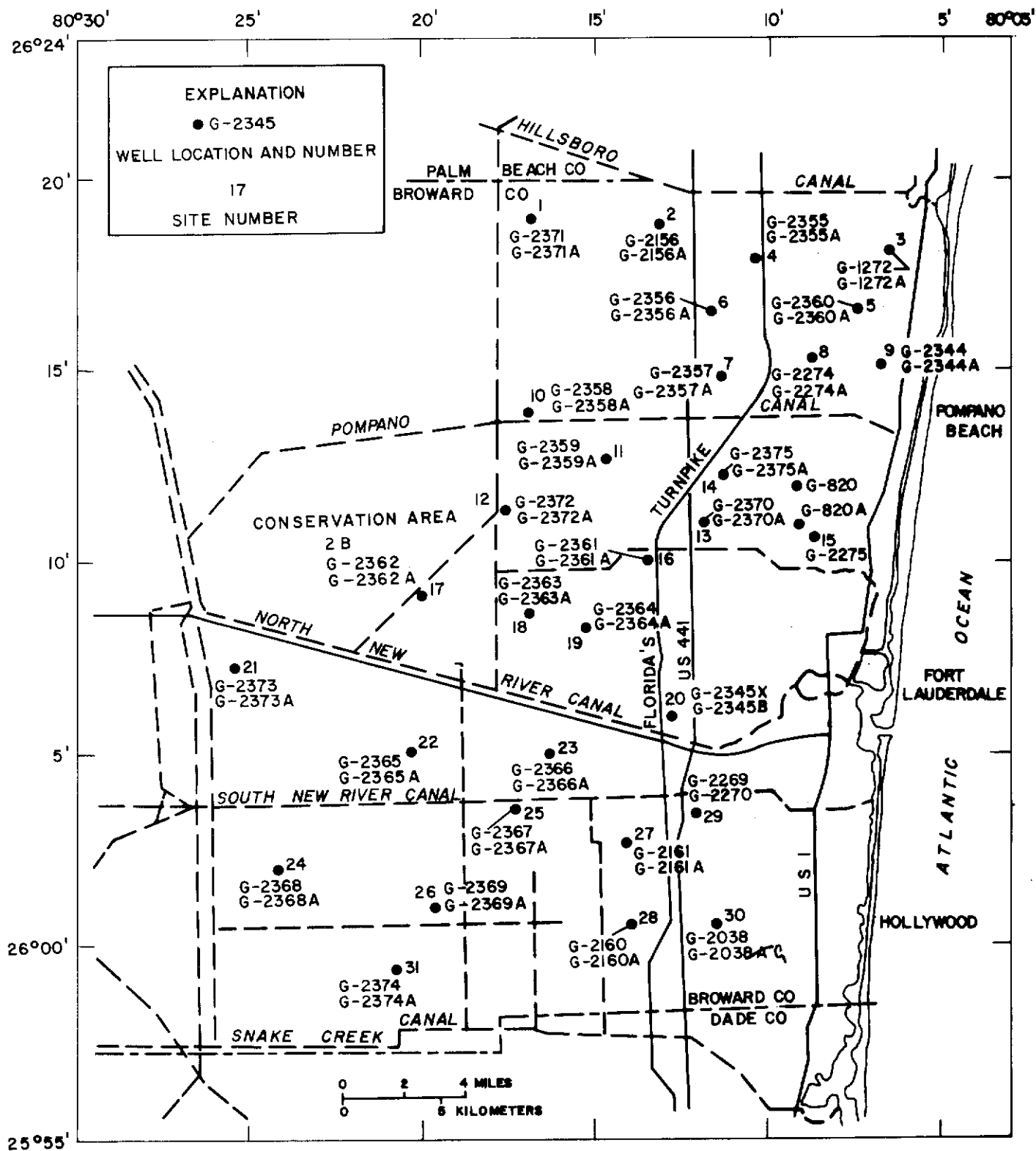


Figure 1. -- Location of sampling sites in the ground-water quality network, eastern Broward County.

Table 1.--Identification numbers, map index numbers, and well information for ground-water sampling sites in Broward County

Map index No.	Site name	Local identifier	Identification number	Depth below land surface (ft)	Pumping rate (gal/min)	Casing size and type
1	West Parkland	G-2371	261810080163201	80	13	1 1/2" PVC
		G-2371A	261810080163202	14	9	1 1/2" PVC
2	Parkland	G-2156	261837080130501	98	14	2" BI
		G-2156A	261837080130502	40	1	1 1/2" PVC
3	Deerfield Beach	G-1272	261834080061901	198	10	2" BI
		G-1272A	261834080061903	59	14	1 1/2" PVC
4	Butler Road	G-2355	261828080101301	96	4	1 1/2" PVC
		G-2355A	261828080101302	53	7	1 1/2" PVC
5	I-95 and 44th Street	G-2360	261707080073301	100	9	1 1/2" PVC
		G-3260A	261707080073302	51	6	1 1/2" PVC
6	Sample and Lyons	G-2356	261627080111201	96	5	1 1/2" PVC
		G-2356A	261627080111202	56	12	1 1/2" PVC
7	Coconut Creek	G-2357	261441080111001	83	2	1 1/2" PVC
		G-2357A	261441080111002	56	8	1 1/2" PVC
8	I-95 and 15th Street	G-2274	261450080080001	110	12	1 1/4" PVC
		G-2274A	261450080080002	57	10	1 1/2" PVC
9	Pompano well field	G-2344A	261423080071503	98	9	1 1/2" PVC
		G-2344B	261423080071504	52	9	1 1/2" PVC
10	Coral Springs	G-2358	261348080160401	100	12	1 1/2" PVC
		G-2358A	261348080160402	49	8	1 1/2" PVC
11	North Lauderdale	G-2359	261232080141401	101	13	1 1/2" PVC
		G-2359A	261232080141402	59	12	1 1/2" PVC
12	West Sunrise	G-2372	261055080173501	105	3	1 1/2" PVC
		G-2372A	261055080173502	32	17	1 1/2" PVC
13	Prospect well field	G-2370	261107080120301	101	18	2" <del>1 1/2" PVC</del> BI
		G-2370A	261107080120302	51	16	1 1/2" PVC
14	Executive Airport West	G-2375	261202080110001	61	8	1 1/2" PVC
		G-2375A	261202080110002	110	9	1 1/2" PVC
15	Executive Airport	G-820	261158080095101	215	32	4" BI
		G-820A	261144080094601	88	18	4" BI
		G-2275	261150080094602	157	18	4" BI
16	Inverrary	G-2361	261020080131701	82	20	1 1/2" PVC
		G-2361A	261020080131702	45	3	1 1/2" PVC

Table 1.--Identification numbers, map index numbers, and well information for ground-water sampling sites in Broward County--Continued

Map index No.	Site name	Local identifier	Identification number	Depth below land surface (ft)	Pumping rate (gal/min)	Casing size and type
17	Levee 35A	G-2362	260939080194207	60	9	1 1/2" PVC
		G-2362A	260939080194208	24	8	1 1/2" PVC
18	Panama Canal	G-2363	260859080160401	80	14	1 1/2" PVC
		G-2363A	260859080160402	20	4	1 1/2" PVC
19	Mirror Lake Park	G-2364	260825080144401	80	13	1 1/2" PVC
		G-2364A	260825080144402	19	5	1 1/2" PVC
20	Dixie well field	G-2345B	260641080123503	69	15	2" PVC
		G-2345X	260641080123520	103	3	1 1/2" PVC
21	Weston	G-2373	260752080253701	60	18	1 1/2" PVC
		G-2373A	260752080253702	21	18	1 1/2" PVC
22	West Davie	G-2365	260505080204701	74	14	1 1/2" PVC
		G-2365A	260505080204702	35	10	1 1/2" PVC
23	Pine Island	G-2366	260563080155601	57	10	1 1/2" PVC
		G-2366A	260453080155602	28	7	1 1/2" PVC
24	West Rolling Oaks	G-2368	260202080230701	60	12	1 1/2" PVC
		G-2368A	260202080230702	11	13	1 1/2" PVC
25	Cooper City	G-2367	260337080171901	65	14	1 1/2" PVC
		G-2367A	260337080171902	25	16	1 1/2" PVC
26	CB Smith Park	G-2369	260046080190701	75	12	1 1/2" PVC
		G-2369A	260046080190702	12	16	1 1/2" PVC
27	Davie Road Extension	G-2161	260219080141102	148	11	1 1/2" PVC
		G-2161A	260219080141103	55	13	1 1/2" PVC
28	Perry Airport	G-2160	260032080135702	115	15	2" PVC
		G-2160A	260032080135703	53	16	1 1/2" PVC
29	Oak Ridge	G-2269	260311080120401	48	20	2" BI
		G-2270	260311080120402	184	10	2" BI
30	Hollywood Circle	G-2038	260027080110102	138	14	2" BI
		G-2038A 3A	260027080110103	52	14	2" BI
31	Flamingo	G-2374	255905080194001	95	13	1 1/2" PVC
		G-2374A	255905080194002	34	10	1 1/2" PVC

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY

G-2371 at W. PARKLAND - 1984

Parameter	04-10-84	07-16-84
Temperature (C)	23.0	24.0
pH (units)	7.6	7.1
Alkalinity (as CaCO <sub>3</sub> )	276	337
Color (PT-Co units)	60	60
Turbidity (NTU)	35	7.3
Spec.cond (uS/cm)	770	770
<b>Dissolved</b>	<b>(Milligrams per liter)</b>	
Calcium	100	---
Magnesium	4.5	---
Sodium	28	---
Potassium	1.2	---
Bicarbonate	337	412
Chloride	51	50
Sulfate	25	23
Fluoride	-.5	.5
Diss.solids	482	510
Hardness	270	---
Noncarb.hardness	---	---
Silica	13	12
<b>Total</b>		
Ammonia	.48	.47
Nitrite	.01	<.01
Nitrate	.01	.01
Organic.N	1.0	1.1
Total.N	1.5	1.6
Ortho.P	.11	.02
Total.P	.19	.08
TOC	23	26
COD	---	---
<b>Total Recoverable</b>	<b>(Micrograms per liter)</b>	
Aluminum	---	---
Boron	---	---
Cadmium	---	---
Chromium	---	---
Cobalt	---	---
Copper	---	---
Iron	---	---
Lead	---	---
Manganese	---	---
Nickel	---	---
Strontium	1500	---
Zinc	---	---
Phenols	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2371A at W. PARKLAND - 1984

Parameter	04-10-84	07-16-84
Temperature (C)	22.5	24.5
pH (units)	7.5	7.1
Alkalinity (as CaCO <sub>3</sub> )	321	397
Color (PT-Co units)	60	80
Turbidity (NTU)	10	5.6
Spec. cond (uS/cm)	800	860
Dissolved	(Milligrams per liter)	
Calcium	110	140
Magnesium	3.8	4.3
Sodium	65	57
Potassium	1.2	1.2
Bicarbonate	392	485
Chloride	73	43
Sulfate	15	25
Fluoride	.5	.4
Diss. solids	516	536
Hardness	290	370
Noncarb. hardness	0	0
Silica	8.1	7.3
Total		
Ammonia	.75	.79
Nitrite	.01	<.01
Nitrate	.01	.01
Organic.N	1.1	1.4
Total.N	1.8	2.2
Ortho.P	.03	.02
Total.P	.04	.02
TOC	23	23
COD		
Total Recoverable	(Micrograms per liter)	
Aluminum	---	---
Boron	---	---
Cadmium	---	---
Chromium	---	---
Cobalt	---	---
Copper	---	---
Iron	---	---
Lead	---	---
Manganese	---	---
Nickel	---	---
Strontium	860	2300
Zinc	---	---
Phenols	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY

G-2156 at PARKLAND - 1983-1984

Parameter	04-15-83	06-28-83	10-26-83	04-10-84	07-16-84
Temperature (C)	24.5	24.7	---	24.0	24.5
pH (units)	8.2	---	7.4	7.6	7.0
Alkalinity (as CaCO3)	337	---	319	196	340
Color (PT-Co units)	20	---	10	20	30
Turbidity (NTU)	---	---	3.0	5.2	1.2
Spec.cond (uS/cm)	630	---	640	430	650
Dissolved	(Milligrams per liter)				
Calcium	130	---	130	73	---
Magnesium	2.4	---	2.2	2.4	---
Sodium	13	---	12	14	---
Potassium	.5	---	.5	.6	---
Bicarbonate	410	---	390	240	415
Chloride	21	---	19	9.0	19
Sulfate	.0	---	<.1	<.1	<.1
Fluoride	.2	---	.4	.4	.4
Diss.solids	382	---	378	310	382
Hardness	---	---	340	190	---
Noncarb.hardness	---	---	20	0	---
Silica	12	---	12	13	12
Total	---	---	---	---	---
Ammonia	.32	---	.50	.31	.29
Nitrite	<.01	---	<.01	<.01	<.01
Nitrate	---	---	.01	.01	.01
Organic.N	---	---	.00	.23	.24
Total.N	---	---	.52	.36	.58
Ortho.P	.01	---	<.01	.01	.01
Total.P	.02	---	.05	.04	.02
TOC	5.6	---	8.3	9.6	12
COD	20	---	13	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	60	---	---	---	---
Boron	---	130	---	---	---
Cadmium	---	<1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	2	---	---	---
Copper	3	<10	---	---	---
Iron	1800	1300	---	---	---
Lead	5	1	---	---	---
Manganese	20	10	---	---	---
Nickel	---	3	---	---	---
Strontium	2000	---	2200	930	---
Zinc	10	40	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-1272 at DEERFIELD BEACH - 1984

Parameter	07-16-84
Temperature (C)	25.5
pH (units)	7.0
Alkalinity (as CaCO <sub>3</sub> )	141
Color (Pt-Co units)	10
Turbidity (NTU)	.5
Spec.cond (uS/cm)	300
Dissolved	(Milligrams per liter)
Calcium	53
Magnesium	1.3
Sodium	7.8
Potassium	.4
Bicarbonate	172
Chloride	13
Sulfate	<.1
Fluoride	.2
Diss.solids	162
Hardness	140
Noncarb.hardness	0
Silica	10
Total	
Ammonia	<.10
Nitrite	<.01
Nitrate	.01
Organic.N	.09
Total.N	.21
Ortho.P	.01
Total.P	<.02
TOC	4.3
COD	---
Total Recoverable	(Micrograms per liter)
Aluminum	---
Boron	---
Cadmium	---
Chromium	---
Cobalt	---
Copper	---
Iron	---
Lead	---
Manganese	---
Nickel	---
Strontium	670
Zinc	---
Phenols	--

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-1272A at DEERFIELD BEACH - 1983-1984

Parameter	04-04-83	06-28-83	10-27-83	04-10-84	07-16-84
Temperature (C)	26.5	26.8	---	26.5	25.5
pH (units)	7.7	---	7.6	7.5	7.1
Alkalinity (as CaCO3)	292	---	275	194	288
Color (PT-Co units)	90	---	50	60	40
Turbidity (NTU)	---	---	14	12	8.5
Spec.cond (uS/cm)	600	---	700	680	710
Dissolved	(Milligrams per liter)				
Calcium	120	---	140	94	130
Magnesium	2.7	---	3.1	3.2	3.5
Sodium	11	---	16	17	20
Potassium	2.3	---	2.5	3.9	6.3
Bicarbonate	356	---	336	237	352
Chloride	21	---	25	25	27
Sulfate	39	---	71	56	63
Fluoride	---	---	---	---	---
Diss.solids	395.1	---	436.2	430.2	436.1
Hardness	310	---	360	250	340
Noncarb.hardness	20	---	90	50	50
Silica	6.2	---	5.9	6.4	5.8
Total	---	---	---	---	---
Ammonia	.58	---	.67	.59	.56
Nitrite	.00	---	<.01	<.01	<.01
Nitrate	.00	---	.01	.01	.01
Organic.N	.13	---	.19	.20	.28
Total.N	.71	---	.88	.81	.86
Ortho.P	.07	---	<.01	.08	.02
Total.P	.18	---	.20	.15	.14
TOC	11	---	8.3	11	---
COD	60	---	37	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	640	---	---	---	---
Boron	---	160	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	1	---	---	---
Copper	3	10	---	---	---
Iron	3300	3400	---	---	---
Lead	3	2	---	---	---
Manganese	10	20	---	---	---
Nickel	---	2	---	---	---
Strontium	1200	---	---	---	---
Zinc	10	50	1500	610	1500
Phenols	1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY

G-2355 at BUTLER ROAD - 1983

Parameter	04-00-83	06-00-83	10-00-83
Temperature (C)	24.6	24.5	---
pH (units)	8.1	7.8	7.4
Alkalinity (as CaCO <sub>3</sub> )	289	251	278
Color (PT-Co units)	20	30	20
Turbidity (NTU)	---	---	.7
Spec.cond (uS/cm)	870	---	850
Dissolved	(Milligrams per liter)		
Calcium	170	170	170
Magnesium	3.0	3.0	2.9
Sodium	28	29	27
Potassium	1.0	.9	.9
Bicarbonate	352	307	340
Chloride	78	73	73
Sulfate	96	96	91
Fluoride	.2	.3	.3
Diss.solids	619	680	618
Hardness	---	440	440
Noncarb.hardness	---	190	160
Silica	12	13	12
Total	---	---	---
Ammonia	.44	.44	.50
Nitrite	<.00	<.01	<.01
Nitrate	---	.01	.01
Organic.N	---	.22	.38
Total.N	---	.68	.90
Ortho.P	.02	.01	.01
Total.P	.09	.04	.06
TOC	17	69	11
COD	30	40	29
Total Recoverable	(Micrograms per liter)		
Aluminum	70	---	---
Boron	---	400	---
Cadmium	---	<1	---
Chromium	---	<1	---
Cobalt	---	1	---
Copper	2	10	---
Iron	480	370	---
Lead	2	2	---
Manganese	20	10	---
Nickel	---	2	---
Strontium	3000	3000	3500
Zinc	10	30	---
Phenols	<1	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY

G-2355A at BUTLER ROAD - 1983

Parameter	04-00-83	06-00-83	10-00-83
Temperature (C)	24.4	24.8	---
pH (units)	7.8	7.8	7.6
Alkalinity (as CaCO <sub>3</sub> )	---	---	---
Color (Pt-Co units)	30	30	40
Turbidity (NTU)	---	---	5.7
Spec.cond (uS/cm)	1000	---	950
<b>Dissolved</b>	<b>(Milligrams per liter)</b>		
Calcium	120	130	120
Magnesium	2.6	4.0	3.0
Sodium	94	90	89
Potassium	1.4	1.9	1.5
Bicarbonate	400	362	354
Chloride	148	139	140
Sulfate	4.0	8.2	7.4
Fluoride	.2	.3	.4
Diss.solids	616	560	566
Hardness	---	340	320
Noncarb.hardness	---	50	30
Silica	10	11	10
<b>Total</b>	<b>(Micrograms per liter)</b>		
Ammonia	.51	.47	.55
Nitrite	<.00	.01	<.01
Nitrate	---	---	.01
Organic.N	---	.48	.85
Total.N	---	.96	1.4
Ortho.P	.04	.05	.02
Total.P	.48	.2	.16
TOC	35	33	21
COD	50	80	49
<b>Total Recoverable</b>	<b>(Micrograms per liter)</b>		
Aluminum	<10	---	---
Boron	---	130	---
Cadmium	---	<1	---
Chromium	---	2	---
Cobalt	---	3	---
Copper	2	<10	---
Iron	480	590	---
Lead	3	20	---
Manganese	10	20	---
Nickel	---	2	---
Strontium	3200	3000	3400
Zinc	10	240	---
Phenols	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2360 at I-95 AND 44TH ST. (POMPANO)

Parameter	04-15-83	06-28-83	10-27-83	04-10-84	07-16-84
Temperature (C)	26.1	25.6	26.0	26.0	26.0
pH (units)	8.4	8.4	7.7	7.7	7.1
Alkalinity (as CaCO3)	206	168	172	178	180
Color (PT-Co units)	20	20	10	10	30
Turbidity (NTU)	---	---	5.7	5.9	4.3
Spec.cond (uS/cm)	455	420	420	447	422
Dissolved	(Milligrams per liter)				
Calcium	87	80	79	81	79
Magnesium	4.3	3.8	3.5	3.5	3.2
Sodium	8.1	8.6	8.3	8.8	8.8
Potassium	1.0	1.0	0.9	1.1	1.0
Bicarbonate	226	193	210	218	220
Chloride	19	18	18	17	18
Sulfate	34	32	24	27	24
Fluoride	0.1	0.2	0.2	0.3	0.2
Diss.solid	298	278	248	290	256
Hardness	230	220	210	220	210
Noncarb.hardness	30	60	40	40	30
Silica	6.2	5.8	5.0	6.0	4.7
Total					
Ammonia	0.40	0.39	0.47	0.40	0.38
Nitrite	<.00	<.01	<.01	<.01	<.01
Nitrate	---	0.01	0.01	0.01	0.01
Organic.N	---	0.06	0.13	0.16	0.16
Total.N	---	0.47	0.62	0.58	0.56
Ortho.P	0.22	0.35	0.41	0.48	0.39
Total.P	0.81	0.84	0.84	0.92	0.86
TOC	6.9	4.8	7.0	9.0	8.4
COD	140	30	30	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	40	---	---	---	---
Boron	---	80	---	---	---
Cadmium	---	<1	---	---	---
Chromium	---	---	---	---	---
Cobalt	---	2	---	---	---
Copper	2	10	---	---	---
Iron	1500	1300	---	---	---
Lead	4	3	---	---	---
Manganese	20	20	---	---	---
Nickel	---	3	---	---	---
Strontium	250	200	230	110	280
Zinc	50	90	---	---	---
Phenols	1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2360A at I-95 AND 44TH ST. (POMPANO)

Parameter	04-10-84	07-16-84
Temperature (C)	27.0	26.5
pH (units)	6.5	6.4
Alkalinity (as CaCO <sub>3</sub> )	42	59
Color (PT-Co units)	140	160
Turbidity (NTU)	16	8.9
Spec.cond (uS/cm)	187	158
Dissolved	(Milligrams per liter)	
Calcium	27	25
Magnesium	1.5	3.5
Sodium	5.6	4.9
Potassium	1.3	.9
Bicarbonate	52	72
Chloride	10	4.0
Sulfate	30	13
Fluoride	.6	.8
Diss.solids	170	130
Hardness	80	80
Noncarb.hardness	40	20
Silica	2.1	1.5
Total		
Ammonia	.14	.09
Nitrite	.01	.01
Nitrate	.01	.01
Organic.N	.55	.58
Total.N	.71	.69
Ortho.P	1.3	1.5
Total.P	2.0	1.8
TOC	24	27
COD	---	---
Total Recoverable	(Micrograms per liter)	
Aluminum	---	---
Boron	---	---
Cadmium	---	---
Chromium	---	---
Cobalt	---	---
Copper	---	---
Iron	---	---
Lead	---	---
Manganese	---	---
Nickel	---	---
Strontium	100	230
Zinc	---	---
Phenols	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2356 at SAMPLE AND LYONS - 1983-1984

Parameter	04-15-83	06-28-83	10-26-83	04-10-84	07-16-84
Temperature (C)	24.8	25.1	26.0	25.0	25.0
pH (units)	7.9	---	7.5	7.9	7.1
Alkalinity (as CaCO3)	289	---	260	277	278
Color (PT-Co units)	50	---	40	40	50
Turbidity (NTU)	---	---	10	3.0	1.0
Spec.cond (uS/cm)	660	---	660	680	660
<b>Dissolved</b>	<b>(Milligrams per liter)</b>				
Calcium	120	---	120	120	120
Magnesium	2.0	---	1.8	1.9	1.8
Sodium	26	---	26	28	28
Potassium	.6	---	.5	.6	.5
Bicarbonate	352	---	318	338	340
Chloride	58	---	55	59	59
Sulfate	34	---	10	12	11
Fluoride	.2	---	.4	.3	.2
Diss.solids	452	---	420	466	448
Hardness	430	---	310	310	310
Noncarb.hardness	20	---	50	30	30
Silica	11	---	11	12	11
<b>Total</b>	<b>-----</b>				
Ammonia	<.52	---	<.57	<.50	<.49
Nitrite	<.00	---	<.01	<.01	<.01
Nitrate	---	---	.01	.01	.01
Organic.N	---	---	.40	.46	.61
Total.N	---	---	.99	.98	1.1
Ortho.P	.03	---	.02	.04	.03
Total.P	.06	---	.11	.31	.11
TOC	21	---	18	15	16
COD	30	---	36	---	---
<b>Total Recoverable</b>	<b>(Micrograms per liter)</b>				
Aluminum	60	---	---	---	---
Boron	---	810	---	---	---
Cadmium	---	<1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	3	---	---	---
Copper	2	<10	---	---	---
Iron	1000	1100	---	---	---
Lead	5	1	---	---	---
Manganese	20	20	---	---	---
Nickel	---	1	---	---	---
Strontium	1100	---	990	1100	1000
Zinc	30	20	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2356A at SAMPLE AND LYONS - 1983-1984

Parameter	04-15-83	06-28-83	10-26-83	04-10-84	07-16-84
Temperature (C)	25.0	25.0	26.0	25.0	25.5
pH (units)	8.0	7.9	7.4	7.6	7.1
Alkalinity (as CaCO <sub>3</sub> )	256	239	237	249	255
Color (PT-Co units)	30	35	40	40	50
Turbidity (NTU)	---	---	1.2	1.2	1.8
Spec.cond (uS/cm)	650	620	650	640	690
<b>Dissolved</b> (Milligrams per liter)					
Calcium	120	120	120	120	130
Magnesium	2.3	2.2	2.5	2.3	2.3
Sodium	17	18	19	19	20
Potassium	1.3	1.3	1.2	1.2	1.2
Bicarbonate	312	---	290	304	312
Chloride	52	49	49	53	60
Sulfate	34	28	35	30	29
Fluoride	1	1	2	2	1
Diss.solids	449	444	422	476	472
Hardness	310	310	310	310	350
Noncarb.hardness	50	70	70	60	80
Silica	10	10	10	10	10
<b>Total</b> -----					
Ammonia	<.62	<.63	<.70	<.60	<.61
Nitrite	<.00	<.01	<.01	<.01	<.01
Nitrate	---	.01	.01	.01	.01
Organic.N	---	.05	.40	.40	.40
Total.N	.99	.70	1.1	1.0	1.1
Ortho.P	.03	.02	.02	.03	.03
Total.P	.09	.16	.15	.09	.09
TOC	13	42	11	12	17
COD	10	45	30	---	---
<b>Total Recoverable</b> -----					
Aluminum	70	---	---	---	---
Boron	---	130	---	---	---
Cadmium	---	<1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	1	---	---	---
Copper	2	<10	---	---	---
Iron	440	640	---	---	---
Lead	2	1	---	---	---
Manganese	10	10	---	---	---
Nickel	---	1	---	---	---
Strontium	800	800	40	780	900
Zinc	10	20	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2357 at COCONUT CREEK - 1983-1984

Parameter	04-14-83	06-27-83	10-26-83	04-10-84	07-16-84
Temperature (C)	25.2	25.4	25.5	25.0	25.5
pH (units)	8.0	---	8.0	7.6	7.1
Alkalinity (as CaCO <sub>3</sub> )	239	---	207	232	232
Color (PT-Co units)	50	---	30	40	50
Turbidity (NTU)	---	---	10	7.8	3.3
Spec.cond (uS/cm)	700	---	700	700	720
Dissolved	(Milligrams per liter)				
Calcium	98	---	100	96	100
Magnesium	3.6	---	3.5	3.6	3.6
Sodium	49	---	47	48	48
Potassium	1.6	---	1.2	1.4	1.4
Bicarbonate	292	---	253	284	284
Chloride	82	---	77	77	76
Sulfate	25	---	28	35	34
Fluoride	.1	---	.3	.3	.2
Diss.solids	444	---	420	464	380
Hardness	260	---	270	260	270
Noncarb.hardness	20	---	60	20	30
Silica	9.6	---	9.8	11	10
Total	---	---	---	---	---
Ammonia	.48	---	.54	.49	.48
Nitrite	<.00	---	<.01	<.01	.01
Nitrate	---	---	.01	.01	.01
Organic.N	---	---	.06	.51	.42
Total.N	---	---	1.2	1.0	1.1
Ortho.P	.03	---	<.01	.04	.04
Total.P	.11	---	.76	.11	.16
TOC	14	---	13	15	17
COD	40	---	41	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	230	---	---	---	---
Boron	---	100	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	4	---	---	---
Copper	3	10	---	---	---
Iron	2100	1900	---	---	---
Lead	7	20	---	---	---
Manganese	30	---	---	---	---
Nickel	---	2	---	---	---
Strontium	1700	---	1800	1600	1700
Zinc	10	70	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY

G-2357A at COCONUT CREEK - 1983-1984

Parameter	04-14-83	06-27-83	10-26-83	04-10-84	07-16-84
Temperature (C)	25.3	25.9	26.0	25.5	25.5
pH (units)	7.9	---	7.6	7.7	7.2
Alkalinity (as CaCO <sub>3</sub> )	240	---	213	226	232
Color (PT-Co units)	50	---	40	40	50
Turbidity (NTU)	---	---	11	7.3	7.0
Spec.cond (uS/cm)	680	---	650	690	700
Dissolved	(Milligrams per liter)				
Calcium	92	---	90	91	94
Magnesium	4.0	---	3.8	3.9	3.9
Sodium	51	---	50	53	50
Potassium	1.9	---	1.7	2.0	1.7
Bicarbonate	292	---	260	276	284
Chloride	79	---	75	79	73
Sulfate	18	---	25	22	24
Fluoride	.1	---	.2	.2	.2
Diss.solids	425	---	409	430	416
Hardness	250	---	240	240	250
Noncarb.hardness	10	---	30	20	20
Silica	9.0	---	9.1	9.8	9.4
Total	---	---	---	---	---
Ammonia	.45	---	.52	.51	.67
Nitrite	.01	---	<.01	<.01	<.01
Nitrate	---	---	.01	.01	.01
Organic.N	---	---	.58	.49	.73
Total.N	---	---	1.1	1.0	1.4
Ortho.P	.18	---	.02	.10	.10
Total.P	.60	---	.70	.38	.44
TOC	20	---	14	16	16
COD	---	---	38	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	630	---	---	---	---
Boron	---	860	---	---	---
Cadmium	---	<1	---	---	---
Chromium	---	5	---	---	---
Cobalt	---	<10	---	---	---
Copper	3	---	---	---	---
Iron	1300	1700	---	---	---
Lead	2	---	---	---	---
Manganese	20	20	---	---	---
Nickel	---	3	---	---	---
Strontium	1400	---	1400	1300	1400
Zinc	10	100	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2274 at I-95 AND 15TH ST. (PCMPANO)

Parameter	06-27-83	04-10-84	07-16-84
Temperature (C)	25.3	25.0	25.5
pH (units)	---	7.3	7.1
Alkalinity (as CaCO3)	---	254	265
Color (PT-Co units)	---	50	100
Turbidity (NTU)	---	6.8	5.5
Spec.cond (uS/cm)	640	610	640
Dissolved	(Milligrams per liter)		
Calcium	---	120	130
Magnesium	---	1.8	1.8
Sodium	---	11	13
Potassium	---	.5	.5
Bicarbonate	---	426	---
Chloride	---	19	21
Sulfate	---	57	57
Fluoride	---	---	---
Diss.solids	---	426	428
Hardness	---	310	330
Noncarb.hardness	---	50	70
Silica	---	8.6	9.0
Total	---	---	---
Ammonia	---	1.2	.90
Nitrite	---	<.01	<.01
Nitrate	---	.01	---
Organic.N	---	.40	---
Total.N	---	---	.80
Ortho.P	---	1.6	---
Total.P	---	.15	.13
TOC	---	18	16
COD	---	---	---
Total Recoverable	(Micrograms per liter)		
Aluminum	---	---	---
Boron	970	---	---
Cadmium	1	---	---
Chromium	<1	---	---
Cobalt	2	---	---
Copper	<10	---	---
Iron	2800	---	---
Lead	5	---	---
Manganese	20	---	---
Nickel	2	---	---
Strontium	---	770	980
Zinc	90	---	---
Phenols	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2274A at I-95 AND 15TH ST. (POMPANO)

Parameter	04-15-83	06-27-83	10-04-83
Temperature (C)	25.1	25.8	25.2
pH (units)	8.1	7.7	7.8
Alkalinity (as CaCO3)	225	283	236
Color (PT-Co units)	70	70	60
Turbidity (NTU)	---	---	2.3
Spec.cond (uS/cm)	500	600	559
Dissolved	(Milligrams per liter)		
Calcium	87	96	98
Magnesium	7.4	18	6.8
Sodium	15	12	12
Potassium	2.9	3.5	4.0
Bicarbonate	274	346	288
Chloride	20	19	19
Sulfate	43	29	33
Fluoride	-.1	-.2	-.2
Diss.solids	337	386	354
Hardness	250	310	270
Noncarb.hardness	30	30	40
Silica	5.3	6.7	7.9
Total			
Ammonia	<.66	.75	.03
Nitrite	<.00	.01	.01
Nitrate	.20	---	---
Organic.N	---	1.1	3.3
Total.N	---	1.1	---
Ortho.P	.05	.07	.08
Total.P	.27	.19	.10
TOC	14	78	14
COD	65	60	36
Total Recoverable	(Micrograms per liter)		
Aluminum	380	---	---
Boron	---	100	---
Cadmium	---	1	---
Chromium	---	<1	---
Cobalt	---	1	---
Copper	4	10	---
Iron	250	350	---
Lead	3	1	---
Manganese	10	10	---
Nickel	---	1	---
Strontium	940	---	900
Zinc	60	50	---
Phenols	<1	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2344A at THE POMPANO WELLFIELD - 1983-84

Parameter	04-14-83	06-27-83	10-27-83	04-10-84	07-16-84
Temperature (C)	26.0	26.3	---	26.0	25.5
pH (units)	7.8	8.1	---	7.6	7.2
Alkalinity (as CaCO3)	246	222	221	228	228
Color (PT-Co units)	60	40	50	60	70
Turbidity (NTU)	---	---	1.2	5.1	4.0
Spec.cond (uS/cm)	560	540	550	540	540
Dissolved	(Milligrams per liter)				
Calcium	99	98	100	94	96
Magnesium	2.1	2.0	1.9	2.0	1.9
Sodium	10	18	17	18	18
Potassium	3.4	2.8	2.9	3.1	3.2
Bicarbonate	300	271	270	278	279
Chloride	26	25	26	27	27
Sulfate	33	30	31	27	26
Fluoride	346	336	320	338	366
Diss.solids	260	250	260	240	250
Hardness	10	30	40	20	20
Noncarb.hardness	8.1	8.3	7.9	8.1	8.1
Silica	---	---	---	---	---
Total	---	---	---	---	---
Ammonia	1.2	1.2	1.2	0.98	0.92
Nitrite	<.00	0.01	<.01	<.01	<.01
Nitrate	---	---	---	---	---
Organic.N	---	0.03	0.50	0.01	0.01
Total.N	---	1.2	1.7	1.32	1.38
Ortho.P	0.03	0.04	0.01	0.03	0.03
Total.P	0.05	0.04	0.10	0.05	0.05
TOC	15	15	7.9	10	10
COD	0	30	21	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	20	---	---	---	---
Boron	---	150	---	---	---
Cadmium	---	<1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	2	---	---	---
Copper	2	10	---	---	---
Iron	1900	2000	---	---	---
Lead	5	2	---	---	---
Manganese	20	20	---	---	---
Nickel	---	2	---	---	---
Strontium	710	650	680	640	750
Zinc	10	50	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY.  
G-2344B at THE POMPANO WELLFIELD - 1984

Parameter	04-10-84	07-16-84
Temperature (C)	26.5	26.5
pH (units)	7.6	7.2
Alkalinity (as CaCO3)	149	144
Color (PT-Co units)	5	10
Turbidity (NTU)	6.6	5
Spec.cond (uS/cm)	355	345
Dissolved	(Milligrams per liter)	
Calcium	64	67
Magnesium	1.8	1.7
Sodium	7.6	4.0
Potassium	2.1	1.8
Bicarbonate	182	176
Chloride	13	8.0
Sulfate	24	22
Fluoride	.1	.1
Diss.solids	230	200
Hardness	170	180
Noncarb.hardness	20	30
Silica	6.4	6.0
Total		
Ammonia	.09	.05
Nitrite	.01	<.01
Nitrate	.01	.01
Organic.N	.01	.16
Total.N	.10	.23
Ortho.P	.02	<.01
Total.P	.45	.35
TOC	3.8	3.0
COD	---	---
Total Recoverable	(Micrograms per liter)	
Aluminum	---	---
Boron	---	---
Cadmium	---	---
Chromium	---	---
Cobalt	---	---
Copper	---	---
Iron	---	---
Lead	---	---
Manganese	---	---
Nickel	---	---
Strontium	700	840
Zinc	---	---
Phenols	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2358 at CORAL SPRINGS - 1983-1984

Parameter	04-14-83	06-27-83	10-26-83	04-09-84	07-16-84
Temperature (C)	25.0	24.9	---	24.5	---
pH (units)	7.9	8.0	7.3	7.5	7.1
Alkalinity (as CaCO3)	490	484	480	503	508
Color (PT-Co units)	30	40	30	40	40
Turbidity (NTU)	---	---	---	---	---
Spec.cond (uS/cm)	1020	1060	1070 <sup>.7</sup>	1070 <sup>.2</sup>	1060 <sup>.6</sup>
Dissolved	(Milligrams per liter)				
Calcium	190	190	190	200	---
Magnesium	6.0	5.6	5.6	6.0	---
Sodium	48	49	47	48	---
Potassium	1.5	1.2	1.3	1.5	---
Bicarbonate	598	590	586	614	620
Chloride	80	78	80	77	78
Sulfate	.1	.2	<.1	23	<.1
Fluoride	.3	.3	.4	.3	.3
Diss.solids	696	692	680	694	674
Hardness	500	500	500	530	---
Noncarb.hardness	9	20	20	20	---
Silica	17	18	17	18	17
Total	---	---	---	---	---
Ammonia	<.58	.58	<.61	.54	.53
Nitrite	<.00	.01	<.01	<.01	<.01
Nitrate	---	---	.01	.01	.01
Organic.N	---	.65	.89	.86	.87
Total.N	1.4	1.2	1.5	1.4	1.4
Ortho.P	.01	.01	<.01	.02	.02
Total.P	.09	.16	.03	.03	.03
TOC	30	53	25	23	27
COD	95	75	60	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	60	---	---	---	---
Boron	---	550	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	3	---	---	---
Copper	2	<10	---	---	---
Iron	380	470	---	---	---
Lead	2	3	---	---	---
Manganese	10	10	---	---	---
Nickel	---	1	---	---	---
Strontium	2900	2800	3400	3000	---
Zinc	10	40	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2358A at CORAL SPRINGS - 1983-1984

Parameter	04-14-83	06-27-83	10-26-83	04-09-84	07-16-84
Temperature (C)	25.6	25.8	---	25.0	25.5
pH (units)	8.1	8.1	7.7	7.5	7.0
Alkalinity (as CaCO3)	279	248	246	259	262
Color (PT-Co units)	120	80	100	70	90
Turbidity (NTU)	---	---	12	17	8.4
Spec.cond (uS/cm)	740	760	780	790	810
Dissolved	(Milligrams per liter)				
Calcium	96.1	100	100	110	110
Magnesium	2.1	2.6	2.2	2.5	2.3
Sodium	67	65	62	66	67
Potassium	.6	.5	.6	.7	.6
Bicarbonate	340	303	301	316	320
Chloride	91	98	100	120	110
Sulfate	4.0	5.5	6.8	6.7	6.8
Fluoride	.3	.3	.4	.3	.4
Diss.solids	472	482	478	498	500
Hardness	250	260	260	290	290
Noncarb.hardness	0	10	10	30	20
Silica	11	11	11	12	11
Total	-----				
Ammonia	.46	.47	.54	.48	.47
Nitrite	.01	.01	<.01	<.01	<.01
Nitrate	---	---	.01	.01	.01
Organic.N	---	.57	.96	.92	1.1
Total.N	1.5	1.1	1.5	1.4	1.6
Ortho.P	.03	.02	.01	.02	.02
Total.P	.04	.02	.04	.05	.05
TOC	28	53	23	23	23
COD	60	90	55	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	750	---	---	---	---
Boron	---	530	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	2	---	---	---
Copper	3	<10	---	---	---
Iron	1700	1500	---	---	---
Lead	4	4	---	---	---
Manganese	20	20	---	---	---
Nickel	---	2	---	---	---
Strontium	1400	1300	1600	1400	1500
Zinc	10	40	---	---	---
Phenols	---	<1	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2359 at NORTH LAUDERDALE - 1983-1984

Parameter	04-14-83	06-27-83	10-26-83	04-09-84	07-16-84
Temperature (C)	24.1				
pH (units)	8.0	24.5		24.5	24.0
Alkalinity (as CaCO3)	367	340	7.4	7.6	7.0
Color (PT-Co units)	40		343	336	355
Turbidity (NTU)	---	---	40	40	40
Spec.cond (uS/cm)	690	700	700 <sup>-4</sup>	690 <sup>.5</sup>	710 <sup>-6</sup>
Dissolved	(Milligrams per liter)				
Calcium	130	140	140	140	140
Magnesium	2.4	2.6	2.4	2.5	2.5
Sodium	16	17	16	16	17
Potassium	448	415	419	410	434
Bicarbonate	30	29	28	29	29
Chloride	4	2	<.1	4	<.1
Sulfate	439	---	422	460	436
Fluoride	---	---	360	360	360
Diss.solids	---	360	20	30	6
Hardness	---	20	12	12	12
Noncarb.hardness	---	---	---	---	---
Silica	11	---	---	---	---
Total	---	---	---	---	---
Ammonia	.45	.45	.47	.40	.38
Nitrite	<.00	.01	<.01	.01	<.01
Nitrate	---	---	.01	.01	.01
Organic.N	---	---	.35	.39	.46
Total.N	---	.65	.84	.81	.86
Ortho.P	.01	---	.01	.02	.02
Total.P	.02	.01	.02	.03	.03
TOC	17	40	12	14	16
COD	40	85	28	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	50	---	---	---	---
Boron	---	480	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	4	---	---	---
Copper	2	10	---	---	---
Iron	460	560	---	---	---
Lead	3	2	---	---	---
Manganese	10	10	---	---	---
Nickel	---	2	---	---	---
Strontium	1400	1400	1600	1400	1500
Zinc	20	40	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2359A at NORTH LAUDERDALE - 1983-1984

Parameter	04-14-83	06-27-83	10-26-83	04-09-84	07-16-84
Temperature (C)	24.8	25.0	25.0	25.0	25.0
pH (units)	8.0	8.2	7.4	7.5	7.1
Alkalinity (as CaCO3)	351	278	322	321	338
Color (PT-Co units)	60	50	50	60	60
Turbidity (NTU)	---	---	2.7	---	4.8
Spec.cond (uS/cm)	730	620	700	690 <sup>.6</sup>	710
Dissolved	(Milligrams per liter)				
Calcium	140	120	140	130	140
Magnesium	2.3	1.8	1.9	1.8	1.7
Sodium	17	13	15	16	16
Potassium	1.1	.5	1.0	.6	.6
Bicarbonate	428	340	393	392	413
Chloride	31	22	28	25	27
Sulfate	38	28	23	20	18
Fluoride	.2	.2	.2	.3	.3
Diss.solids	486	376	432	458	438
Hardness	360	310	430	330	360
Noncarb.hardness	9	30	40	10	20
Silica	9.4	8.5	9.5	10	9.8
Total	---	---	---	---	---
Ammonia	1.0	.88	1.1	.89	.84
Nitrite	<.00	.01	<.01	<.01	<.01
Nitrate	---	---	.01	.01	.01
Organic.N	---	.04	.80	.51	.76
Total.N	---	.93	1.90	1.4	1.6
Ortho.P	.05	.12	.03	.03	.03
Total.P	.64	.56	.13	.17	.14
TOC	17	43	14	15	15
COD	40	45	34	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	610	---	---	---	---
Boron	---	760	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	4	---	---	---
Copper	2	<10	---	---	---
Iron	1500	980	---	---	---
Lead	6	3	---	---	---
Manganese	10	10	---	---	---
Nickel	---	1	---	---	---
Strontium	1600	1200	1600	1400	1600
Zinc	20	200	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2372 at WEST SUNRISE - 1984

Parameter	04-00-84	07-00-84
Temperature (C)	24.5	25.0
pH (units)	7.3	7.1
Alkalinity (as CaCO3)	383	367
Color (PT-Co units)	10	10
Turbidity (NTU)	840.6	840.0
Spec.cond (uS/cm)		
Dissolved	(Milligrams per liter)	
Calcium	140	120
Magnesium	12	11
Sodium	41	41
Potassium	5.6	6.5
Bicarbonate	468	448
Chloride	53	58
Sulfate	18	12
Fluoride	.3	.4
Diss.solids	483	452
Hardness	400	350
Noncarb.hardness	20	0
Silica	21	19
Total		
Ammonia	.33	.34
Nitrite	<.01	<.01
Nitrate	.01	.01
Organic.N	.35	.21
Total.N	.70	.57
Ortho.P	.01	.01
Total.P	.03	.02
TOC	7	14
COD	---	---
Total Recoverable	(Micrograms per liter)	
Aluminum	---	---
Boron	---	---
Cadmium	---	---
Chromium	---	---
Cobalt	---	---
Copper	---	---
Iron	---	---
Lead	---	---
Manganese	---	---
Nickel	---	---
Strontium	2500	2300
Zinc	---	---
Phenols	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2372A at WEST SUNRISE - 1984

Parameter	04-00-84	07-00-84
Temperature (C)	24.5	25.5
pH (units)	7.4	7.0
Alkalinity (as CaCO3)	241	242
Color (PT-Co units)	70	140
Turbidity (NTU)	7.9	8.4
Spec.cond (uS/cm)	560	570
<b>Dissolved</b>	<b>(Milligrams per liter)</b>	
Calcium	110	110
Magnesium	2.6	2.6
Sodium	8.9	8.8
Potassium	.5	.5
Bicarbonate	294	296
Chloride	15	14
Sulfate	51	44
Fluoride	.3	.5
Diss.solids	389	394
Hardness	290	290
Noncarb.hardness	50	40
Silica	8.6	7.7
<b>Total</b>		
Ammonia	.70	.68
Nitrite	<.01	<.01
Nitrate	.01	.01
Organic.N	1.2	1.0
Total.N	1.9	1.7
Ortho.P	.01	.01
Total.P	.02	<.02
TOC	23	27
COD	---	---
<b>Total Recoverable</b>	<b>(Micrograms per liter)</b>	
Aluminum	---	---
Boron	---	---
Cadmium	---	---
Chromium	---	---
Cobalt	---	---
Copper	---	---
Iron	---	---
Lead	---	---
Manganese	---	---
Nickel	---	---
Strontium	1000	980
Zinc	---	---
Phenols	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2370 at 4

Parameter	04-00-83	06-00-83	10-00-83	04-00-84	07-00-84
Temperature (C)	25.8	24.9	25.0	25.0	25.0
pH (units)	8.3	7.9	7.3	7.6	7.1
Alkalinity (as CaCO3)	285	262	271	277	280
Color (PT-Co units)	40	30	60	60	70
Turbidity (NTU)	---	---	3.2	5.0	2.3
Spec.cond (uS/cm)	630	620	638	620	640
Dissolved	(Milligrams per liter)				
Calcium	98	110	110	110	110
Magnesium	4.1	4.0	3.8	3.9	4.0
Sodium	24	24	23	24	25
Potassium	9	8	8	1.0	9
Bicarbonate	348	321	331	338	342
Chloride	42	41	38	39	37
Sulfate	16	18	20	20	22
Fluoride	2	2	3	3	3
Diss.solids	410	396	414	416	408
Hardness	260	290	290	290	290
Noncarb.hardness	6	30	20	20	10
Silica	12	12	12	12	12
Total	-----				
Ammonia	.81	.78	.75	.79	.78
Nitrite	<.00	<.01	<.01	<.01	<.01
Nitrate	---	.01	.01	.01	.01
Organic.N	5.6	3.5	1.7	.61	.62
Total.N	---	1.2	2.4	1.4	1.4
Ortho.P	.02	.02	.02	.03	.03
Total.P	.02	.02	.03	.04	.03
TOC	21	---	11	12	17
COD	10	110	33	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	40	---	---	---	---
Boron	---	600	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	23	---	---	---
Cobalt	---	3	---	---	---
Copper	3	<10	---	---	---
Iron	1500	1500	---	---	---
Lead	---	3	---	---	---
Manganese	10	10	---	---	---
Nickel	---	<1	---	---	---
Strontium	1600	1600	1500	1600	1800
Zinc	10	250	---	---	---
Phenols	---	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2370A at THE PROSPECT WELLFIELD - 1983-84

Parameter	04-00-83	06-00-83	10-00-83	04-00-84	07-00-84
Temperature (C)	26.0	26.0	---	26.0	25.5
pH (units)	8.0	8.0	7.6	7.6	7.0
Alkalinity (as CaCO3)	203	183	206	221	221
Color (PT-Co units)	70	---	60	30	60
Turbidity (NTU)	---	---	2.8	3.0	1.0
Spec.cond (uS/cm)	364	353	439	472	470
<b>Dissolved</b> (Milligrams per liter)					
Calcium	75	72	87	95	96
Magnesium	1.4	1.5	1.6	1.8	1.7
Sodium	4.1	4.5	4.7	5.1	4.5
Potassium	.3	.2	.2	.3	.3
Bicarbonate	247	224	252	270	277
Chloride	7.0	7.2	11	17	10
Sulfate	.4	.2	7.2	20	18
Fluoride	.1	.1	.2	.2	.2
Diss.solids	230	236	272	312	280
Hardness	190	190	220	250	250
Noncarb.hardness	0	2	20	20	20
Silica	7.7	7.5	7.3	7.5	6.8
<b>Total</b>					
Ammonia	.64	.66	.52	.51	.47
Nitrite	<.00	<.01	.01	<.01	<.01
Nitrate	---	.10	.01	.01	.01
Organic.N	.19	.29	.36	.34	.25
Total.N	.83	---	.90	.87	.74
Ortho.P	.04	.02	.05	.02	.02
Total.P	.15	.16	.05	.8	.02
TOC	14	8.0	7.6	9.0	12
COD	0	30	25	---	---
<b>Total Recoverable</b> (Micrograms per liter)					
Aluminum	180	---	---	---	---
Boron	---	600	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	22	---	---	---
Cobalt	---	5	---	---	---
Copper	---	<10	---	---	---
Iron	1100	1200	---	---	---
Lead	5	3	---	---	---
Manganese	10	<10	---	---	---
Nickel	---	1	---	---	---
Strontium	480	600	540	690	770
Zinc	10	20	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2375 at THE EXEC. AIRPORT - 1984

Parameter	07-16-84
Temperature (C)	25.5
pH (units)	7.0
Alkalinity (as CaCO3)	264
Color (PT-Co units)	50
Turbidity (NTU)	9.0
Spec.cond (uS/cm)	640
Dissolved	(Milligrams per liter)
Calcium	110
Magnesium	2.7
Sodium	23
Potassium	3.8
Bicarbonate	323
Chloride	43
Sulfate	18
Fluoride	.2
Diss.solids	388
Hardness	290
Noncarb.hardness	20
Silica	10
Total	
Ammonia	.86
Nitrite	<.01
Nitrate	.01
Organic.N	.54
Total.N	1.4
Ortho.P	.14
Total.P	.88
TOC	12
COD	---
Total Recoverable	(Micrograms per liter)
Aluminum	---
Boron	---
Cadmium	---
Chromium	---
Cobalt	---
Copper	---
Iron	---
Lead	---
Manganese	---
Nickel	---
Strontium	820
Zinc	---
Phenols	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2375A at THE EXEC. AIRPORT - 1984

Parameter	07-00-84
Temperature (C)	---
pH (units)	7.0
Alkalinity (as CaCO3)	---
Color (PT-Co units)	30
Turbidity (NTU)	18
Spec.cond (uS/cm)	438
Dissolved	(Milligrams per liter)
Calcium	74
Magnesium	3.7
Sodium	11
Potassium	1.9
Bicarbonate	214
Chloride	16
Sulfate	23
Fluoride	.4
Diss.solids	260
Hardness	200
Noncarb.hardness	20
Silica	8.1
Total	----
Ammonia	.70
Nitrite	.01
Nitrate	.01
Organic.N	.44
Total.N	.99
Ortho.P	.67
Total.P	1.3
TOC	10
COD	---
Total Recoverable	(Micrograms per liter)
Aluminum	---
Boron	---
Cadmium	---
Chromium	---
Cobalt	---
Copper	---
Iron	---
Lead	---
Manganese	---
Nickel	---
Strontium	230
Zinc	---
Phenols	--

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-820 at THE EXECUTIVE AIRPORT - 1983-84

Parameter	04-00-83	06-00-83	10-00-83	04-00-84	07-00-84
Temperature (C)	26.1	26.2	25.9	26.0	26.5
pH (units)	8.0	7.8	8.0	7.7	7.1
Alkalinity (as CaCO3)	186	174	170	160	178
Color (PT-Co units)	10	5	10	5	10
Turbidity (NTU)	---	---	1	4	3.3
Spec.cond (uS/cm)	353	350	359	355	358
Dissolved	(Milligrams per liter)				
Calcium	67	72	70	69	70
Magnesium	1.4	1.6	1.4	1.5	1.4
Sodium	5.8	6.3	6.2	6.2	5.1
Potassium	.8	.6	.7	.8	.8
Bicarbonate	---	212	208	220	218
Chloride	12	12	11	11	11
Sulfate	0	.2	<1.0	.2	.1
Fluoride	.1	.1	.3	.3	.3
Diss.solids	211	214	204	206	212
Hardness	---	190	---	---	---
Noncarb.hardness	---	10	10	0	2
Silica	10	11	10	11	10
Total	---	---	---	---	---
Ammonia	.20	.17	.14	.18	.18
Nitrite	<.00	<.01	.01	.01	<.01
Nitrate	.01	.01	.01	.01	.01
Organic.N	---	.03	.03	.03	.03
Total.N	---	.03	.03	.03	.03
Ortho.P	.03	.03	.03	.03	.03
Total.P	.04	.05	.08	.03	.03
TOC	2.5	18	14	4.5	2.0
COD	.2	15	10	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	60	---	---	---	---
Boron	---	360	---	---	---
Cadmium	---	360	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	5	---	---	---
Copper	---	10	---	---	---
Iron	2500	1200	---	---	---
Lead	4	---	---	---	---
Manganese	20	10	---	---	---
Nickel	---	1	---	---	---
Strontium	180	310	240	320	350
Zinc	20	90	---	---	---
Phenols	8	---	2	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-820A at THE EXEC. AIRPORT - 1983-84

Parameter	06-00-83	10-00-83	04-00-84	07-00-84
Temperature (C)	26.2	26.3	26.5	26.0
pH (units)	7.9	7.6	7.5	7.0
Alkalinity (as CaCO3)	229	235	239	230
Color (PT-Co units)	10	10	5	10
Turbidity (NTU)	---	82	17	28
Spec.cond (uS/cm)	---	500	490	460
<b>Dissolved</b>				
(Milligrams per liter)				
Calcium	100	100	100	98
Magnesium	3.8	3.1	3.6	2.9
Sodium	4.0	3.4	3.4	3.3
Potassium	1.2	1.3	1.5	1.3
Bicarbonate	380	279	292	281
Chloride	7.0	5.0	4.4	5.0
Sulfate	32	30	31	26
Fluoride	.1	.2	.1	.1
Diss.solids	---	312	302	288
Hardness	270	260	270	260
Noncarb.hardness	40	30	30	30
Silica	12	12	12	12
<b>Total</b>				
-----				
Ammonia	.46	.31	.38	.33
Nitrite	.01	.01	<.01	<.01
Nitrate	---	.01	.01	.01
Organic.N	.14	.14	.08	.16
Total.N	.61	.47	.48	.51
Ortho.P	---	.85	---	---
Total.P	1.9	.85	1.8	1.2
TOC	7.8	4.0	6.4	9.6
COD	30	10	---	---
<b>Total Recoverable</b>				
(Micrograms per liter)				
Aluminum	---	---	---	---
Boron	220	---	---	---
Cadmium	1	---	---	---
Chromium	<1	---	---	---
Cobalt	5	---	---	---
Copper	10	---	---	---
Iron	7300	---	---	---
Lead	7	---	---	---
Manganese	40	---	---	---
Nickel	1	---	---	---
Strontium	160	150	220	270
Zinc	80	---	---	---
Phenols	---	2	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY

G-2275 at THE EXEC. AIRPORT - 1983-84

Parameter	04-18-83	06-23-83	10-04-83	04-13-84	07-12-84
Temperature (C)	25.9	25.8	25.9	26.0	26.5
pH (units)	8.0	8.0	7.7	7.3	6.9
Alkalinity (as CaCO <sub>3</sub> )	239	232	226	242	241
Color (PT-Co units)	10	15	30	10	20
Turbidity (NTU)	---	---	38	7.6	9.3
Spec.cond (uS/cm)	488	490	500	520	510
Dissolved	(Milligrams per liter)				
Calcium	97	100	100	100	100
Magnesium	2.2	2.4	2.2	2.2	2.3
Sodium	8.0	9.9	8.2	9.2	7.3
Potassium	1.0	8	.9	1.0	1.0
Bicarbonate	292	283	276	296	295
Chloride	15	17	12	14	10
Sulfate	24	25	25	25	25
Fluoride	<.1	.1	.2	.2	.2
Diss.solids	307	340	314	302	306
Hardness	250	260	260	260	260
Noncarb.hardness	10	30	30	20	20
Silica	11	12	12	12	12
Total	-----				
Ammonia	.27	.25	.20	.23	.21
Nitrite	.00	.01	.01	<.01	<.01
Nitrate	.00	.01	.01	.01	.01
Organic-N	.13	.04	.06	.06	.04
Total-N	.40	.31	.33	.31	.27
Ortho-P	.05	.06	.05	.08	.13
Total-P	.26	.24	.21	.24	.20
TOC	4.0	15	35	5.5	9.1
COD	0	15	---	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	<10	---	---	---	---
Boron	---	80	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	14	---	---	---
Cobalt	---	6	---	---	---
Copper	---	<10	---	---	---
Iron	4500	3900	---	---	---
Lead	7	4	---	---	---
Manganese	60	50	---	---	---
Nickel	---	2	---	---	---
Strontium	270	280	180	300	310
Zinc	20	30	---	---	---
Phenols	3	---	<1	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2361 at INVERRARY - 1983-1984

Parameter	04-00-83	06-00-83	10-00-83	04-00-84	07-00-84
Temperature (C)	---	24.8	24.7	25.0	25.0
pH (units)	7.8	7.8	7.3	7.4	7.3
Alkalinity (as CaCO3)	371	330	350	327	351
Color (PT-Co units)	50	40	50	40	60
Turbidity (NTU)	28	18	11	19	8.0
Spec.cond (uS/cm)	880	760	750	800	800
(Milligrams per liter)					
Dissolved					
Calcium	150	150	160	150	160
Magnesium	2.9	2.8	2.7	3.2	2.8
Sodium	15	16	15	17	17
Potassium	5.7	5.7	5.9	5.8	5.8
Bicarbonate	452	403	427	399	42
Chloride	40	39	39	43	31
Sulfate	34	33	32	33	31
Fluoride	3.2	3.1	3.3	3.3	3.3
Diss.solid	542	524	540	568	536
Hardness	---	390	410	390	410
Noncarb.hardness	---	60	60	60	60
Silica	10	11	11	12	11
Total					
Ammonia	1.2	1.8	1.9	1.2	1.6
Nitrite	<.00	<.01	<.01	<.01	<.01
Nitrate	---	<.02	---	---	---
Organic.N	---	.59	.50	.60	.50
Total.N	---	1.8	2.4	1.8	.03
Ortho.P	.02	.02	.02	.01	.03
Total.P	.04	.02	.03	.04	.03
TOC	24	18	15	17	18
COD	60	45	38	---	---
(Micrograms per liter)					
Total Recoverable					
Aluminum	50	---	---	---	---
Boron	---	630	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	20	---	---	---
Cobalt	---	8	---	---	---
Copper	---	<10	---	---	---
Iron	4900	4700	---	---	---
Lead	70	100	---	---	---
Manganese	20	10	---	---	---
Nickel	---	2	---	---	---
Strontium	1600	1600	1500	1600	1800
Zinc	10	50	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2361A at INVERRARY - 1983-1984

Parameter	06-00-83	10-00-83	04-00-84	07-00-84
Temperature (C)	25.8	---	25.5	25.5
pH (units)	---	---	7.4	7.0
Alkalinity (as CaCO3)	---	324	296	341
Color (PT-Co units)	---	11	70	100
Turbidity (NTU)	---	659	13	9.5
Spec.cond (uS/cm)	---	---	650	680
Dissolved	(Milligrams per liter)			
Calcium	---	130	---	---
Magnesium	---	2.4	---	---
Sodium	---	13	13.4	2.5
Potassium	---	---	---	---
Bicarbonate	---	396.6	362.7	416.7
Chloride	---	24	27	27
Sulfate	---	7.2	7.8	9.2
Fluoride	---	---	---	---
Diss.solids	---	446	452	444
Hardness	---	340	310	360
Noncarb.hardness	---	10	10	20
Silica	---	11	12	11
Total	---	---	---	---
Ammonia	---	1.9	1.2	1.2
Nitrite	---	.02	<.01	.01
Nitrate	---	.01	.01	.01
Organic.N	---	.8	.7	.6
Total.N	---	1.9	1.9	1.8
Ortho.P	---	.02	.03	.04
Total.P	---	.03	.10	.04
TOC	---	17	20	21
COD	---	35	---	---
Total Recoverable	(Micrograms per liter)			
Aluminum	---	---	---	---
Boron	310	---	---	---
Cadmium	1	---	---	---
Chromium	1	---	---	---
Cobalt	1	---	---	---
Copper	10	---	---	---
Iron	3800	---	---	---
Lead	2	---	---	---
Manganese	2	---	---	---
Nickel	2	---	---	---
Strontium	---	---	---	---
Zinc	60	1200	1300	1400
Phenols	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY

G-2362 at LEVEE 35A - 1983-1984

Parameter	04-00-83	06-00-83	10-00-83	04-00-84	07-00-84
Temperature (C)	25.0	24.8	---	24.5	24.0
pH (units)	8.3	8.2	7.5	7.4	6.9
Alkalinity (as CaCO <sub>3</sub> )	310	209	285	296	282
Color (PT-Co units)	120	50	100	140	100
Turbidity (NTU)	45	---	6.8	3.6	3.4
Spec.cond (uS/cm)	850	700	840	840	850
Dissolved	(Milligrams per liter)				
Calcium	100	77	100	100	100
Magnesium	9.3	9.2	8.9	9.2	9.1
Sodium	77	73	71	68	72
Potassium	1.6	1.5	1.5	1.8	1.7
Bicarbonate	378	255	348	362	345
Chloride	120	108	110	100	110
Sulfate	2.4	5.9	3.0	5.4	<.1
Fluoride	.3	.3	.5	.3	.5
Diss.solids	541	528	492	501	508
Hardness	---	230	290	290	290
Noncarb.hardness	---	20	1	0	5
Silica	7.9	8.8	8.6	9.8	9.4
Total	---	---	---	---	---
Ammonia	1.2	1.2	1.2	1.5	1.2
Nitrite	.01	<.01	<.01	<.01	<.01
Nitrate	---	.01	.01	.01	.01
Organic.N	---	1.52	1.2	.60	.80
Total.N	---	1.5	2.4	2.1	2.0
Ortho.P	.03	.01	<.01	.01	.20
Total.P	.07	.03	.04	.02	.02
TOC	26	38	26	23	24
COD	75	75	93	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	100	---	---	---	---
Boron	---	90	---	---	---
Cadmium	---	<1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	2	---	---	---
Copper	5	<10	---	---	---
Iron	3100	3000	---	---	---
Lead	390	100	---	---	---
Manganese	20	20	---	---	---
Nickel	---	5	---	---	---
Strontium	920	880	880	960	930
Zinc	10	50	---	---	---
Phenols	---	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY

G-2362A at LEVEE 35A - 1983-1984

Parameter	04-00-83	06-00-83	10-00-83	04-00-84	07-00-84
Temperature (C)	25.8	25.0	---	24.0	25.0
pH (units)	7.8	8.1	7.6	7.4	7.0
Alkalinity (as CaCO3)	312	290	284	298	285
Color (PT-Co units)	110	55	70	80	100
Turbidity (NTU)	32	1.0	18	2.8	3.5
Spec.cond (uS/cm)	880	860	860	840	840
Dissolved	(Milligrams per liter)				
Calcium	100	100	100	100	100
Magnesium	9.1	8.8	8.2	8.7	8.7
Sodium	79	76	77	68	72
Potassium	1.5	1.5	1.3	1.5	1.4
Bicarbonate	380	354	347	364	348
Chloride	120	116	110	100	110
Sulfate	0.0	---	<.1	5.6	<.1
Fluoride	0.3	0.4	0.5	0.6	0.5
Diss.solids	544	542	508	506	502
Hardness	---	290	280	290	290
Noncarb.hardness	---	---	0	0	2
Silica	7.9	8.6	8.2	9.4	8.6
Total	---	---	---	---	---
Ammonia	1.3	1.3	1.3	1.6	1.2
Nitrite	0.01	0.01	<.01	<.01	<.01
Nitrate	---	---	0.01	0.01	0.01
Organic.N	---	0.23	1.6	0.50	0.70
Total.N	---	1.5	2.7	2.1	1.9
Ortho.P	0.02	0.01	0.01	0.01	0.20
Total.P	0.17	0.04	0.36	0.02	0.02
TOC	---	41	23	23	30
COD	100	65	62	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	290	---	---	---	---
Boron	---	130	---	---	---
Cadmium	---	<1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	3	---	---	---
Copper	4	<10	---	---	---
Iron	3700	3400	---	---	---
Lead	8	1	---	---	---
Manganese	10	20	---	---	---
Nickel	---	4	---	---	---
Strontium	940	890	880	960	920
Zinc	10	20	---	---	---
Phenols	---	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2363 at THE PANAMA CANAL - 1983-1984

Parameter	04-13-83	06-22-83	10-04-83	04-06-84	07-12-84
Temperature (C)	---	25.7	25.8	25.5	26.5
pH (units)	---	8.0	7.3	7.3	6.9
Alkalinity (as CaCO3)	---	277	287	316	282
Color (PT-Co units)	---	35	60	50	80
Turbidity (NTU)	---	---	6.5	8.7	4.7
Spec.cond (uS/cm)	---	620	609	700	630
<b>Dissolved (Milligrams per liter)</b>					
Calcium	---	130	---	150	120
Magnesium	---	2.8	---	3.1	2.9
Sodium	---	10	---	13	11
Potassium	---	.5	---	.7	.7
Bicarbonate	---	338	350	386	344
Chloride	---	21	19	25	21
Sulfate	---	30	23	43	25
Fluoride	---	.3	.3	.2	.4
Diss.solids	---	408	402	384	398
Hardness	---	340	---	390	310
Noncarb.hardness	---	---	60	70	30
Silica	---	9.8	10	10	9.4
<b>Total</b>					
Ammonia	---	---	---	1.6	1.2
Nitrite	---	<.01	---	<.01	<.01
Nitrate	---	---	---	.01	.01
Organic.N	---	.56	---	.10	.70
Total.N	---	1.8	---	1.7	1.9
Ortho.P	---	<.01	---	.01	.02
Total.P	---	<.01	---	.02	.02
TOC	---	31	13	15	16
COD	---	45	---	---	---
<b>Total Recoverable (Micrograms per liter)</b>					
Aluminum	110	---	---	---	---
Boron	---	330	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	21	---	---	---
Cobalt	---	5	---	---	---
Copper	2	<10	---	---	---
Iron	2700	2600	---	---	---
Lead	4	6	---	---	---
Manganese	20	20	---	---	---
Nickel	---	1	---	---	---
Strontium	---	1200	---	1400	1300
Zinc	10	120	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2363A at THE PANAMA CANAL - 1983-1984

Parameter	04-00-83	06-00-83	10-00-83	04-00-84	07-00-84
Temperature (C)	26.2	25.9	---	25.0	26.0
pH (units)	7.7	8.0	7.3	7.4	7.0
Alkalinity (as CaCO3)	325	308	351	362	360
Color (PT-Co units)	40	40	60	50	60
Turbidity (NTU)	18	---	12	6.2	6.2
Spec.cond (uS/cm)	760	780	859	1110	940
Dissolved	(Milligrams per liter)				
Calcium	160	170	---	190	200
Magnesium	3.8	4.0	---	4.6	5.0
Sodium	6.3	6.9	---	7.3	7.4
Potassium	.2	.2	---	.3	.3
Bicarbonate	---	374	---	---	---
Chloride	16	---	428	442	439
Sulfate	100	---	28	35	40
Fluoride	---	---	110	100	100
Diss.solids	543.2	---	---	---	---
Hardness	---	558	644.2	624.1	644.3
Noncarb.hardness	---	440	---	500	520
Silica	7.1	140	---	130	160
Total	---	8.1	8.2	9.4	8.6
Ammonia	1.5	2.0	---	2.0	1.6
Nitrite	<.00	<.01	---	<.01	<.01
Nitrate	---	.01	---	.01	.01
Organic.N	---	.12	---	.20	.30
Total.N	---	2.1	---	2.2	2.1
Ortho.P	.01	<.01	---	.01	.01
Total.P	.02	<.01	---	.02	.02
TOC	15	23	---	16	20
COD	30	30	14	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	90	---	---	---	---
Boron	---	710	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	20	---	---	---
Cobalt	---	4	---	---	---
Copper	3	<10	---	---	---
Iron	1700	1500	---	---	---
Lead	3	5	---	---	---
Manganese	20	10	---	---	---
Nickel	---	3	---	---	---
Strontium	---	1400	---	---	---
Zinc	10	120	---	1600	1600
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2364 at MIRROR LAKE PARK - 1983-1984

Parameter	04-00-83	06-00-83	09-00-83	04-00-84	07-00-84
Temperature (C)	---	28.5	25.0	25.5	26.0
pH (units)	7.6	7.9	7.7	7.6	7.2
Alkalinity (as CaCO <sub>3</sub> )	233	221	200	223	211
Color (PT-Co units)	80	60	90	60	80
Turbidity (NTU)	2.9	---	2.2	2.7	2.3
Spec.cond (uS/cm)	570	590	530	619	550
Dissolved	(Milligrams per liter)				
Calcium	100	110	100	110	98
Magnesium	2.2	2.4	2.0	3.0	2.2
Sodium	14	14	15	15	16
Potassium	.4	.5	.4	.5	.5
Bicarbonate	228	270	244	272	258
Chloride	37	34	37	30	39
Sulfate	35	47	30	59	29
Fluoride	.2	.3	.4	.7	.2
Diss.solids	404	400	380	452	352
Hardness	---	290	260	290	250
Noncarb.hardness	---	60	60	70	40
Silica	7.5	8.0	8.1	9.2	8.3
Total	-----				
Ammonia	.78	.74	.68	.87	.71
Nitrite	.00	<.01	.01	<.01	<.01
Nitrate	---	---	---	.01	.01
Organic.N	---	.84	.62	.83	.59
Total.N	---	1.6	1.3	1.7	1.3
Ortho.P	.02	.01	.02	.02	.02
Total.P	.02	.01	.02	.02	.03
TOC	16	20	11	15	19
COD	70	40	33	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	70	---	---	---	---
Boron	---	180	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	23	---	---	---
Cobalt	---	4	---	---	---
Copper	2	<10	---	---	---
Iron	2100	2300	---	---	---
Lead	<1	4	---	---	---
Manganese	10	10	---	---	---
Nickel	---	3	---	---	---
Strontium	930	1000	800	1100	840
Zinc	10	20	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2364A at MIRROR LAKE PARK - 1984

Parameter	D4-00-84	07-00-84
Temperature (C)	25.0	26.0
pH (units)	7.5	7.4
Alkalinity (as CaCO <sub>3</sub> )	211	262
Color (PT-Co units)	40	50
Turbidity (NTU)	2.0	1.5
Spec.cond (uS/cm)	465	540
<b>Dissolved</b>	<b>(Milligrams per liter)</b>	
Calcium	89	100
Magnesium	3.3	4.4
Sodium	5.1	5.8
Potassium	13	13
Bicarbonate	258	320
Chloride	9.0	9.0
Sulfate	19	21
Fluoride	.3	.6
Diss.solids	308	340
Hardness	240	270
Noncarb.hardness	30	6
Silica	5.6	5.3
<b>Total</b>		
Ammonia	.18	.16
Nitrite	<.01	.01
Nitrate	.01	.01
Organic.N	.66	.62
Total.N	.86	.80
Ortho.P	.01	.01
Total.P	.02	.02
TOC	9.0	17
COD	---	---
<b>Total Recoverable</b>	<b>(Micrograms per liter)</b>	
Aluminum	---	---
Boron	---	---
Cadmium	---	---
Chromium	---	---
Cobalt	---	---
Copper	---	---
Iron	---	---
Lead	---	---
Manganese	---	---
Nickel	---	---
Strontium	690	820
Zinc	---	---
Phenols	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2345X at THE DIXIE WELLFIELD - 1983-1984

Parameter	04-00-83	06-00-83	10-00-83	04-00-84	07-00-84
Temperature (C)	26.0	25.8	25.8	26.0	26.5
pH (units)	8.2	8.0	7.7	7.5	6.9
Alkalinity (as CaCO <sub>3</sub> )	240	195	223	228	229
Color (PT-Co units)	70	30	80	50	50
Turbidity (NTU)	---	---	11	8.7	7.3
Spec.cond (uS/cm)	540	465	536	540	540
<b>Dissolved</b> (Milligrams per liter)					
Calcium	98	100	100	100	100
Magnesium	2.9	3.0	2.8	2.8	2.8
Sodium	14	15	15	15	15
Potassium	0.6	0.5	0.5	0.6	0.6
Bicarbonate	293	238	273	287	280
Chloride	27	27	26	27	25
Sulfate	28	28	28	27	25
Fluoride	0.2	---	0.2	0.2	0.3
Diss.solids	347	350	350	329	332
Hardness	130	260	260	260	260
Noncarb.hardness	0	70	40	40	30
Silica	9.2	9.2	9.3	10	9.4
<b>Total</b>					
Ammonia	0.75	0.72	0.70	0.76	0.72
Nitrite	<.00	<.01	<.01	<.01	<.01
Nitrate	0.75	---	0.01	0.01	0.01
Organic.N	0.48	0.23	0.30	0.94	0.38
Total.N	1.2	0.96	1.0	1.7	1.1
Ortho.P	0.02	0.03	0.05	0.04	0.07
Total.P	0.15	0.04	0.06	0.07	0.27
TOC	17	8.6	8.5	10	13
COD	90	20	33	---	---
<b>Total Recoverable</b> (Micrograms per liter)					
Aluminum	130	---	---	---	---
Boron	---	130	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	23	---	---	---
Cobalt	---	5	---	---	---
Copper	2	<10	---	---	---
Iron	2900	2900	---	---	---
Lead	33	---	---	---	---
Manganese	10	<10	---	---	---
Nickel	---	1	---	---	---
Strontium	710	780	680	830	870
Zinc	10	30	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2345B at THE DIXIE WELLFIELD - 1983

Parameter	04-00-83
Temperature (C)	26.6
pH (units)	7.7
Alkalinity (as CaCO3)	220
Color (PT-Co units)	90
Turbidity (NTU)	---
Spec.cond (uS/cm)	530
Dissolved	(Milligrams per liter)
Calcium	85
Magnesium	2.2
Sodium	15
Potassium	1.5
Bicarbonate	275
Chloride	29
Sulfate	34
Fluoride	---
Diss.solids	353
Hardness	---
Noncarb.hardness	---
Silica	7.7
Total	---
Ammonia	.56
Nitrite	.00
Nitrate	.00
Organic.N	---
Total.N	---
Ortho.P	.08
Total.P	.09
TOC	17
COD	10
Total Recoverable	(Micrograms per liter)
Aluminum	70
Boron	---
Cadmium	---
Chromium	---
Cobalt	---
Copper	10
Iron	1500
Lead	10
Manganese	20
Nickel	---
Strontium	490
Zinc	10
Phenols	<1

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY

G-2373 at WESTON - 1984

Parameter	04-00-84	07-00-84
Temperature (C)	24.0	25.0
pH (units)	7.4	7.3
Alkalinity (as CaCO <sub>3</sub> )	321	324
Color (Pt-Co units)	100	120
Turbidity (NTU)	1.0	1.1
Spec.cond (uS/cm)	940	910
<b>Dissolved</b>	<b>(Milligrams per liter)</b>	
Calcium	94	93
Magnesium	19	19
Sodium	86	89
Potassium	2.5	2.8
Bicarbonate	39	39
Chloride	120	120
Sulfate	6.6	8.8
Fluoride	3	5
Diss.solids	578	574
Hardness	310	310
Noncarb.hardness	0	0
Silica	14	13
<b>Total</b>		
Ammonia	0.64	0.62
Nitrite	<.01	<.01
Nitrate	1.01	1.01
Organic.N	1.7	1.3
Total.N	2.3	1.9
Ortho.P	0.02	0.01
Total.P	0.02	0.02
TOC	26	32
COD	---	---
<b>Total Recoverable</b>	<b>(Micrograms per liter)</b>	
Aluminum	---	---
Boron	---	---
Cadmium	---	---
Chromium	---	---
Cobalt	---	---
Copper	---	---
Iron	---	---
Lead	---	---
Manganese	---	---
Nickel	---	---
Strontium	1200	1000
Zinc	---	---
Phenols	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2373A at WESTON - 1984

Parameter	04-00-84	07-00-84
Temperature (C)	25.0	25.0
pH (units)	7.5	7.3
Alkalinity (as CaCO3)	324	273
Color (PT-Co units)	100	120
Turbidity (NTU)	1.2	.8
Spec.cond (uS/cm)	960	830
Dissolved	(Milligrams per liter)	
Calcium	100	86
Magnesium	16	13
Sodium	89	83
Potassium	1.4	1.5
Bicarbonate	396	334
Chloride	130	120
Sulfate	10	.8
Fluoride	.3	.5
Diss.solids	588	522
Hardness	320	270
Noncarb.hardness	0	0
Silica	13	13
Total		
Ammonia	.69	.64
Nitrite	<.01	<.01
Nitrate	.01	.01
Organic.N	1.5	.96
Total.N	2.2	1.6
Ortho.P	.02	.01
Total.P	.03	.02
TDC	29	32
COD	---	---
Total Recoverable	(Micrograms per liter)	
Aluminum	---	---
Boron	---	---
Cadmium	---	---
Chromium	---	---
Cobalt	---	---
Copper	---	---
Iron	---	---
Lead	---	---
Manganese	---	---
Nickel	---	---
Strontium	1100	810
Zinc	---	---
Phenols	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY

G-2365 at WEST DAVIE - 1983-1984

Parameter	06-21-83	09-28-83	11-01-83	04-13-84	07-17-84
Temperature (C)	24.5	24.0	---	24.0	24.0
pH (units)	---	7.8	---	7.7	7.1
Alkalinity (as CaCO3)	---	291	---	308	306
Color (PT-Co units)	---	80	40	80	100
Turbidity (NTU)	---	3.7	12	1.8	3.2
Spec. cond (uS/cm)	---	710	630	720	730
<b>Dissolved (Milligrams per liter)</b>					
Calcium	---	110	---	110	120
Magnesium	---	8.8	---	8.7	8.8
Sodium	---	36	---	37	35
Potassium	---	.6	---	.7	.7
Bicarbonate	---	356	---	376	374
Chloride	---	57	24	59	57
Sulfate	---	14	88	8.8	12
Fluoride	---	.4	---	.4	.4
Diss. solids	---	484	---	424	464
Hardness	---	310	---	310	340
Noncarb. hardness	---	20	---	4	30
Silica	---	11	---	11	11
<b>Total</b>					
Ammonia	---	1.0	.30	1.2	1.0
Nitrite	---	.01	<.01	.01	<.01
Nitrate	---	---	---	.01	.01
Organic.N	---	1.2	.64	1.2	1.4
Total.N	---	2.2	---	2.4	2.4
Ortho.p	---	.02	.01	.03	.01
Total.p	---	.02	.01	.04	.02
TOC	---	18	---	20	20
COD	---	38	---	---	---
<b>Total Recoverable (Micrograms per liter)</b>					
Aluminum	---	---	---	---	---
Boron	120	---	---	---	---
Cadmium	2	---	---	---	---
Chromium	20	---	---	---	---
Cobalt	3	---	---	---	---
Copper	<10	---	---	---	---
Iron	2800	---	---	---	---
Lead	4	---	---	---	---
Manganese	20	---	---	---	---
Nickel	5	---	---	---	---
Strontium	---	960	---	1100	1100
Zinc	90	---	---	---	---
Phenols	---	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2365A at WEST DAVIE - 1983-1984

Parameter	06-21-83	09-28-83	01-11-84	03-22-84	04-13-84
Temperature (C)	25.0	25.0	---	---	25.0
pH (units)	---	7.6	---	---	7.6
Alkalinity (as CaCO3)	229	224	---	---	233
Color (PT-Co units)	---	40	30	20	70
Turbidity (NTU)	---	16	4.7	16	6.3
Spec.cond (uS/cm)	---	640	640	630	620
Dissolved	(Milligrams per liter)				
Calcium	120	120	---	---	120
Magnesium	4.8	4.5	---	---	4.6
Sodium	17	17	---	---	17
Potassium	---	---	---	---	---
Bicarbonate	279	274	---	---	285
Chloride	29	27	28	27	27
Sulfate	78	90	87	83	84
Fluoride	---	---	---	---	---
Diss.solids	---	452	---	---	416
Hardness	320	320	---	---	320
Noncarb.hardness	90	100	---	---	90
Silica	---	8.1	---	---	9.2
Total	---	---	---	---	---
Ammonia	.32	.27	.31	.31	.30
Nitrite	<.01	.01	<.01	<.01	<.01
Nitrate	.01	.01	---	---	.01
Organic.N	.72	---	.68	.79	.60
Total.N	.02	.10	.03	.03	.03
Ortho.P	---	.02	.06	.09	.04
Total.P	.02	.02	---	---	---
TOC	17	11	---	---	11
COD	85	30	---	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	---	---	---	---	---
Boron	100	---	---	---	---
Cadmium	1	---	---	---	---
Chromium	3	---	---	---	---
Cobalt	6	---	---	---	---
Copper	<10	---	---	---	---
Iron	2700	---	---	---	---
Lead	3	---	---	---	---
Manganese	20	---	---	---	---
Nickel	2	---	---	---	---
Strontium	1100	1100	---	---	1200
Zinc	150	---	---	---	---
Phenols	---	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2366 at PINE ISLAND - 1983-1984

Parameter	04-00-83	06-00-83	09-00-83	04-00-84	07-00-84
Temperature (C)	24.5	23.9	23.8	23.5	24.0
pH (units)	---	---	---	7.4	7.1
Alkalinity (as CaCO <sub>3</sub> )	219	200	205	200	280
Color (PT-Co units)	240	240	280	---	---
Turbidity (NTU)	15	---	7.8	5.8	4.8
Spec.cond (uS/cm)	730	722	722	740	750
<b>Dissolved (Milligrams per liter)</b>					
Calcium	130	130	140	130	120
Magnesium	5.9	5.2	5.3	5.9	7.8
Sodium	27	22	23	33	36
Potassium	---	---	---	---	---
Bicarbonate	268	244	---	274	261
Chloride	57	49	47	55	54
Sulfate	110	120	120	110	110
Fluoride	---	---	---	---	---
Diss.solids	594	586	594	570	576
Hardness	---	350	---	350	330
Noncarb.hardness	---	150	---	130	120
Silica	7.7	6.8	7.4	8.6	7.1
<b>Total</b>					
Ammonia	.59	.70	.72	.86	.67
Nitrite	.01	.01	.01	.01	.01
Nitrate	---	---	---	---	---
Organic.N	---	3.1	---	2.8	1.7
Total.N	---	3.8	---	3.7	2.4
Ortho.P	.06	.05	.07	.06	.06
Total.P	.60	.05	.70	.70	.60
TOC	45	43	31	41	42
COD	85	95	45	---	---
<b>Total Recoverable (Micrograms per liter)</b>					
Aluminum	<10	---	---	---	---
Boron	---	250	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	6	---	---	---
Copper	3	<10	---	---	---
Iron	6900	6200	---	---	---
Lead	12	3	---	---	---
Manganese	40	30	---	---	---
Nickel	---	30	---	---	---
Strontium	820	740	700	850	930
Zinc	40	10	---	---	---
Phenols	4	---	7	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2366A at PINE ISLAND - 1983-1984

Parameter	06-00-83	09-00-83	04-00-84	07-00-84
Temperature (C)	24.3	24.6	24.5	25.0
pH (units)	7.7	7.6	7.1	7.2
Alkalinity (as CaCO3)	187	185	203	206
Color (Pt-Co units)	140	200	400	160
Turbidity (NTU)	---	23	5.9	10
Spec.cond (uS/cm)	690	680	720	710
Dissolved	(Milligrams per liter)			
Calcium	120	120	120	120
Magnesium	4.6	4.2	4.3	4.6
Sodium	31	29	31	28
Potassium	.8	.8	.9	1.0
Bicarbonate	229	226	248	252
Chloride	57	55	57	49
Sulfate	110	110	110	110
Fluoride	.4	.5	.4	.5
Diss.solids	548	560	545	510
Hardness	320	320	320	320
Noncarb.hardness	130	140	120	110
Silica	7.6	7.4	8.3	7.3
Total	---			
Ammonia	.59	.53	.52	.49
Nitrite	.01	.01	.01	.01
Nitrate	.01	.01	.01	.01
Organic.N	1.5	3.6	2.4	1.2
Total.N	2.1	4.1	2.9	1.7
Ortho.P	.04	.08	.09	.07
Total.P	.06	.06	.17	.14
TOC	39	25	35	33
COD	80	40	---	---
Total Recoverable	(Micrograms per liter)			
Aluminum	---	---	---	---
Boron	250	---	---	---
Cadmium	1	---	---	---
Chromium	<1	---	---	---
Cobalt	3	---	---	---
Copper	<10	---	---	---
Iron	2300	---	---	---
Lead	2	---	---	---
Manganese	40	---	---	---
Nickel	3	---	---	---
Strontium	760	560	760	810
Zinc	10	---	---	---
Phenols	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2368 at WEST ROLLING OAKS - 1983

Parameter	04-00-83	06-00-83	09-00-83
Temperature (C)	27.0	24.6	---
pH (units)	7.7	7.7	7.5
Alkalinity (as CaCO <sub>3</sub> )	295	283	296
Color (Pt-Co units)	60	40	50
Turbidity (NTU)	---	18	36
Spec.cond (US/cm)	680	680	662
<b>Dissolved</b> (Milligrams per liter)			
Calcium	110	120	120
Magnesium	9.8	9.3	9.4
Sodium	27	26	24
Potassium	27.9	26.6	24.7
Bicarbonate	36	34	36
Chloride	45	43	---
Sulfate	17	24	---
Fluoride	---	---	---
Diss.solids	453	454	448
Hardness	320	330	340
Noncarb.hardness	30	20	40
Silica	11	11	12
<b>Total</b>			
Ammonia	0.99	0.92	---
Nitrite	<.00	.01	---
Nitrate	---	.01	---
Organic.N	---	.77	---
Total.N	---	1.77	---
Ortho.P	.01	.03	---
Total.P	.02	.04	---
TOC	23	24	17
COD	50	55	---
<b>Total Recoverable</b> (Micrograms per liter)			
Aluminum	250	---	---
Boron	---	80	---
Cadmium	---	1	---
Chromium	---	7	---
Cobalt	---	2	---
Copper	16	<10	---
Iron	3900	3300	---
Lead	12	3	---
Manganese	30	20	---
Nickel	---	2	---
Strontium	---	---	---
Zinc	70	20	---
Phenols	<1	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2368A at WEST ROLLING OAKS - 1983-1984

Parameter	06-00-83	09-00-83	04-00-84	07-00-84
Temperature (C)	25.9	---	---	---
pH (units)	7.5	---	---	---
Alkalinity (as CaCO <sub>3</sub> )	342	7.4	24.0	26.0
Color (PT-Co units)	100	354	7.3	7.2
Turbidity (NTU)	---	80	367	353
Spec.cond (uS/cm)	715	73	70	100
		739	56	7.3
			760	720
Dissolved				
(Milligrams per liter)				
Calcium	160	160	170	160
Magnesium	5.3	5.9	6.2	6.0
Sodium	4.1	3.7	3.3	3.4
Potassium	7	5	6	6
Bicarbonate	417	423	448	431
Chloride	6.0	5.4	5.0	7.4
Sulfate	61	66	83	58
Fluoride	6	5	3	5
Diss.solids	476	528	542	494
Hardness	420	430	450	430
Noncarb.hardness	80	70	80	70
Silica	5.7	5.8	6.0	6.2
Total				
Ammonia	.10	---	---	---
Nitrite	.04	---	.06	.06
Nitrate	1.2	---	.10	.08
Organic.N	1.4	---	.48	.37
Total.N	1.8	---	1.6	1.4
Ortho.P	.02	---	2.3	2.0
Total.P	.02	---	.03	.02
TOC	43	19	.36	.04
COD	70	---	22	26
Total Recoverable				
(Micrograms per liter)				
Aluminum	---	---	---	---
Boron	60	---	---	---
Cadmium	1	---	---	---
Chromium	<1	---	---	---
Cobalt	4	---	---	---
Copper	10	---	---	---
Iron	2000	---	---	---
Lead	3	---	---	---
Manganese	40	---	---	---
Nickel	8	---	---	---
Strontium	1300	---	---	---
Zinc	10	1400	1600	1800
Phenols	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY

G-2367 at COOPER CITY - 1983-1984

Parameter	04-12-83	06-21-83	09-27-83	04-05-84	07-10-84
Temperature (C)	---	---	24.0	24.0	24.5
pH (units)	8.1	7.8	7.7	7.6	7.3
Alkalinity (as CaCO3)	296	271	278	290	288
Color (PT-Co units)	50	40	70	140	90
Turbidity (NTU)	18	---	43	1.6	4.3
Spec.cond (uS/cm)	820	810	810	810	800
<b>Dissolved (Milligrams per liter)</b>					
Calcium	94	90	95	95	91
Magnesium	12	12	12	12	12
Sodium	73	70	68	67	69
Potassium	1.7	1.4	1.7	1.7	1.9
Bicarbonate	360	331	340	354	352
Chloride	110	100	100	99	100
Sulfate	.2	4.2	1.0	<.1	.6
Fluoride	.3	.4	.6	.2	.4
Diss.solids	514	498	524	489	482
Hardness	---	280	290	290	280
Noncarb.hardness	---	4	9	0	0
Silica	9.6	10	11	12	11
<b>Total</b>					
Ammonia	.68	.64	.63	.64	.60
Nitrite	<.00	<.01	.01	<.01	<.01
Nitrate	---	<.01	---	.01	.01
Organic.N	---	1.4	1.1	1.8	1.1
Total.N	---	1.7	1.7	2.4	1.7
Ortho.P	.02	.02	.11	.02	.03
Total.P	.05	.02	.20	.08	.08
TOC	---	26	17	23	25
COD	---	65	38	---	---
<b>Total Recoverable (Micrograms per liter)</b>					
Aluminum	250	---	---	---	---
Boron	---	130	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	2	---	---	---
Cobalt	---	2	---	---	---
Copper	9	<10	---	---	---
Iron	2000	1600	---	---	---
Lead	---	3	---	---	---
Manganese	20	10	---	---	---
Nickel	---	5	---	---	---
Strontium	930	900	890	1000	1300
Zinc	30	90	---	---	---
Phenols	---	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2367A at COOPER CITY - 1983-1984

Parameter	10-00-83	04-00-84	07-00-84
Temperature (C)	27.5	23.0	25.0
pH (units)	7.5	7.7	7.5
Alkalinity (as CaCO3)	275	283	282
Color (PT-Co units)	60	60	80
Turbidity (NTU)	1.0	.8	.8
Spec.cond (uS/cm)	730	800	780
Dissolved	(Milligrams per liter)		
Calcium	92	95	93
Magnesium	11	12	12
Sodium	54	62	62
Potassium	1.9	1.9	2.3
Bicarbonate	336	346	344
Chloride	74	98	92
Sulfate	<.1	.4	.2
Fluoride	.5	.2	.4
Diss.solids	442	485	482
Hardness	280	290	280
Noncarb.hardness	1	4	0
Silica	12	12	12
Total			
Ammonia	<.67	<.40	<.66
Nitrite	<.01	<.01	<.01
Nitrate	1.9	1.3	1.1
Organic.N	2.6	1.7	1.8
Total.N	.07	.05	.07
Ortho.P	.11	.08	.08
Total.P	23	23	25
TOC	54	---	---
COD	---	---	---
Total Recoverable	(Micrograms per liter)		
Aluminum	---	---	---
Boron	---	---	---
Cadmium	---	---	---
Chromium	---	---	---
Cobalt	---	---	---
Copper	---	---	---
Iron	---	---	---
Lead	---	---	---
Manganese	---	---	---
Nickel	---	---	---
Strontium	---	---	---
Zinc	950	1100	720
Phenols	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2369 at CB SMITH PARK - 1983-1984

Parameter	04-00-83	06-00-83	09-00-83	04-00-84	07-00-84
Temperature (C)	24.9	24.2	24.1	24.0	25.0
pH (units)	7.5	7.9	7.6	7.2	7.5
Alkalinity (as CaCO3)	236	258	282	282	288
Color (PT-Co units)	70	70	120	140	120
Turbidity (NTU)	3.1	---	4.6	5.7	2.6
Spec.cond (uS/cm)	650	630	662	660	670
Dissolved	(Milligrams per liter)				
Calcium	110	120	120	120	120
Magnesium	8.6	8.2	8.3	8.7	9.0
Sodium	15	15	15	15	14
Potassium	8	6	7	8	8
Bicarbonate	288	315	344	345	352
Chloride	26	24	21	20	20
Sulfate	44	48	52	65	60
Fluoride	3	4	4	3	4
Diss.solids	460	446	458	444	470
Hardness	310	330	330	340	340
Noncarb.hardness	80	80	50	50	50
Silica	9.2	9.5	9.4	10	9.4
Total					
Ammonia	2.1	2.0	2.0	2.2	2.1
Nitrite	.01	.01	.01	.01	.01
Nitrate	1.00	---	---	---	---
Organic.N	1.5	2.0	1.3	1.8	1.4
Total.N	3.6	4.0	3.3	4.0	3.5
Ortho.P	.02	.01	.03	.04	.02
Total.P	.02	.03	.03	.10	.09
TOC	32	32	23	29	34
COD	260	75	45	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	60	---	---	---	---
Boron	---	720	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	2	---	---	---
Copper	1	<10	---	---	---
Iron	2600	2600	---	---	---
Lead	9	4	---	---	---
Manganese	20	10	---	---	---
Nickel	---	2	---	---	---
Strontium	1000	1000	930	1100	1000
Zinc	40	80	---	---	---
Phenols	2	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2369A at CB SMITH PARK - 1983-1984

Parameter	04-00-83	06-00-83	09-00-83	04-00-84	07-00-84
Temperature (C)	24.0	25.3	27.3	25.4	---
pH (units)	7.9	8.0	7.4	7.7	7.3
Alkalinity (as CaCO3)	330	309	276	282	302
Color (PT-Co Units)	70	70	70	100	100
Turbidity (NTU)	5.5	---	2.3	3.0	8
Spec.cond (uS/cm)	700	700	598	610	680
Dissolved	(Milligrams per liter)				
Calcium	140	140	120	120	140
Magnesium	7.1	6.8	5.6	6.2	6.6
Sodium	11	11	11	12	12
Potassium	1.9	1.0	1.6	1.7	1.0
Bicarbonate	402	378	338	344	369
Chloride	20	23	17	20	23
Sulfate	59	59	38	38	51
Fluoride	1.3	1.3	1.4	1.2	1.3
Diss.solids	511	496	426	415	476
Hardness	380	380	320	330	380
Noncarb.hardness	50	70	50	40	80
Silica	4.9	5.7	5.4	6.0	6.0
Total	---	---	---	---	---
Ammonia	.48	.50	.51	.68	.36
Nitrite	.01	.01	.01	.01	.04
Nitrate	.11	.01	.01	.01	.04
Organic.N	.12	1.3	1.3	2.1	1.3
Total.N	2.1	1.8	1.8	2.1	2.7
Ortho.P	.02	.01	.02	.02	.01
Total.P	.02	.01	.02	.02	.02
TOC	33	26	19	26	32
COD	110	75	40	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	130	---	---	---	---
Boron	---	800	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	23	---	---	---
Cobalt	---	7	---	---	---
Copper	4	<10	---	---	---
Iron	470	720	---	---	---
Lead	5	5	---	---	---
Manganese	30	30	---	---	---
Nickel	---	3	---	---	---
Strontium	1200	1200	930	1000	1500
Zinc	60	180	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2161 at THE DAVIE ROAD EXT. - 1983-1984

Parameter	04-00-83	06-00-83	09-00-83	04-00-84	07-00-84
Temperature (C)	26.0	25.3	25.3	25.0	26.0
pH (units)	8.1	8.0	7.6	7.4	7.2
Alkalinity (as CaCO3)	250	238	242	255	247
Color (PT-Co units)	40	40	80	100	100
Turbidity (NTU)	5.0	---	3.5	2.5	2.2
Spec.cond (uS/cm)	530	690	710	720	750
Dissolved	(Milligrams per liter)				
Calcium	96	94	98	99	95
Magnesium	8.1	7.9	8.1	8.2	8.4
Sodium	42	45	47	46	42
Potassium	1.5	1.3	1.6	1.7	2.0
Bicarbonate	304	210	296	312	302
Chloride	74	81	83	81	80
Sulfate	9.2	13	9.6	11	11
Fluoride	.2	.4	.3	.2	.2
Diss.solids	442	438	450	435	450
Hardness	270	270	280	280	270
Noncarb.hardness	20	30	40	30	30
Silica	10	11	11	12	11
Total	-----				
Ammonia	.93	.87	.87	.96	.92
Nitrite	<.00	<.01	.01	<.01	<.01
Nitrate	---	.01	---	.01	.01
Organic.N	---	.77	.63	1.0	.68
Total.N	---	1.7	1.5	2.0	1.6
Ortho.P	.02	.01	.30	.02	.02
Total.P	.02	.02	.03	.03	.02
TOC	20	18	13	15	19
COD	120	35	35	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	20	---	---	---	---
Boron	---	610	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	25	---	---	---
Cobalt	---	5	---	---	---
Copper	3	<10	---	---	---
Iron	---	2000	---	---	---
Lead	4	1	---	---	---
Manganese	10	20	---	---	---
Nickel	---	3	---	---	---
Strontium	880	790	810	940	970
Zinc	30	20	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2161A at THE DAVIE ROAD EXT. - 1983-1984

Parameter	04-00-83	06-00-83	09-00-83	04-00-84	07-00-84
Temperature (C)	27.8	26.8	27.0	27.0	27.0
pH (units)	7.2	7.9	7.6	7.2	6.9
Alkalinity (as CaCO3)	100	95	93	121	86
Color (PT-Co units)	20	20	20	30	30
Turbidity (NTU)	1.2	---	1.3	1.3	1.3
Spec.cond (uS/cm)	205	201	185	240	183
Dissolved	(Milligrams per liter)				
Calcium	37	38	36	38	33
Magnesium	1.1	1.7	1.7	1.7	1.7
Sodium	2.3	2.4	2.6	2.1	2.0
Potassium	.3	.2	.2	.3	.3
Bicarbonate	122	116	114	148	106
Chloride	5.0	4.1	3.0	2.5	8.0
Sulfate	2.4	1.6	2.2	.4	1.0
Fluoride	.2	.3	.3	.2	.2
Diss.solids	140	133	126	129	114
Hardness	---	100	100	100	90
Noncarb.hardness	---	6	3	0	3
Silica	11	12	13	13	12
Total					
Ammonia	<.59	.53	.53	.58	.54
Nitrite	<.00	<.01	.01	<.01	<.01
Nitrate	---	---	---	.01	.01
Organic.N	---	1.3	.13	.38	.18
Total.N	---	1.9	.63	.96	.74
Ortho.P	.04	.02	.06	.06	.04
Total.P	.05	.03	.06	.10	.08
TOC	10	6	6	6	11
COD	0	25	23	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	60	---	---	---	---
Boron	---	530	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	24	---	---	---
Cobalt	---	4	---	---	---
Copper	2	<10	---	---	---
Iron	470	530	---	---	---
Lead	14	---	---	---	---
Manganese	10	<10	---	---	---
Nickel	---	1	---	---	---
Strontium	220	190	160	300	350
Zinc	30	<10	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2160 at PERRY AIRPORT - 1983-1984

Parameter	04-12-83	06-22-83	09-27-83	04-05-84	07-10-84
Temperature (C)	26.4	25.8	25.8	26.0	26.0
pH (units)	7.9	7.9	7.7	7.3	7.3
Alkalinity (as CaCO3)	230	215	220	229	223
Color (Pt-Co units)	35	20	50	50	60
Turbidity (NTU)	3.5	---	1.6	2.7	1.2
Spec.cond (uS/cm)	465	473	462	475	473
Dissolved	(Milligrams per liter)				
Calcium	77	79	80	80	79
Magnesium	6.4	6.2	6.3	6.3	6.3
Sodium	16	18	17	18	18
Potassium	16.9	17.7	18.8	19.9	19.0
Bicarbonate	280	262	268	280	273
Chloride	25	27	26	26	25
Sulfate	1.6	1.8	2.3	2.2	2.2
Fluoride	1.2	1.3	1.3	1.2	1.2
Diss.solids	288	288	290	284	290
Hardness	220	220	230	230	220
Noncarb.hardness	0	8	6	0	1
Silica	9.8	10	11	11	10
Total	-----				
Ammonia	<.85	<.82	.79	<.88	<.83
Nitrite	<.000	<.001	.01	<.001	<.001
Nitrate	.000	.001	---	.01	.01
Organic.N	1.338	.08	1.41	1.1	1.37
Total.N	1.338	.08	1.41	2.0	1.2
Ortho.P	.02	.02	.02	.02	.02
Total.P	.02	.02	.02	.02	.02
TOC	13	20	25	9.5	15
COD	0	5	8	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	<10	---	---	---	---
Boron	---	220	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	<1	---	---	---
Cobalt	---	2	---	---	---
Copper	99	<10	---	---	---
Iron	1500	1600	---	---	---
Lead	1	2	---	---	---
Manganese	10	10	---	---	---
Nickel	---	2	---	---	---
Strontium	750	660	640	780	840
Zinc	20	10	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2160A at PERRY AIRPORT - 1983-1984

Parameter	04-12-83	06-22-83	09-27-83	04-05-84	07-10-84
Temperature (C)	27.8	26.9	27.0	27.0	27.0
pH (units)	7.8	7.9	7.8	7.1	7.2
Alkalinity (as CaCO3)	121	113	101	96	114
Color (PT-Co units)	45	40	60	50	50
Turbidity (NTU)	263.8	262	238.2	228.2	275.2
Spec. cond (uS/cm)					
Dissolved	(Milligrams per liter)				
Calcium	47	50	43	38	50
Magnesium	3.3	3.1	2.8	2.6	3.5
Sodium	3.2	3.3	3.4	3.5	3.9
Potassium	148	139	124	118	139
Bicarbonate	88.0	7.2	5.7	5.7	15
Chloride	8.4	15	13	8.2	20
Sulfate	161	171	154	147	168
Fluoride	130	140	120	110	140
Diss. solids	9.0	30	20	10	30
Hardness		9.0	8.9	9.8	9.2
Noncarb. hardness					
Silica					
Total					
Ammonia	<.36	.28	.26	.52	.30
Nitrite	.000	.01	.01	.01	.01
Nitrate	.000	.01	.01	.01	.01
Organic N	.05	.15	.23	.12	.15
Total N	.41	.45	.50	.66	.77
Ortho P	.03	.03	.03	.03	.03
Total P	.03	.03	.03	.03	.03
TOC	27	15	10	6	9
COD					
Total Recoverable	(Micrograms per liter)				
Aluminum	10	---	---	---	---
Boron	---	450	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	26	---	---	---
Cobalt	---	1	---	---	---
Copper	2	<10	---	---	---
Iron	570	620	---	---	---
Lead	20	1	---	---	---
Manganese	---	20	---	---	---
Nickel	---	4	---	---	---
Strontium	340	280	240	340	500
Zinc	40	10	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY

G-2269 at OAK RIDGE - 1983-1984

Parameter	04-11-83	06-23-83	09-27-83	04-05-84	07-10-84
Temperature (C)	26.0	25.7	25.3	25.5	25.5
pH (units)	7.8	8.0	7.6	7.9	7.0
Alkalinity (as CaCO <sub>3</sub> )	226	211	214	223	219
Color (PT-Co units)	50	40	60	50	60
Turbidity (NTU)	1.6	---	1.2	.7	.4
Spec.cond (uS/cm)	600	582	580	560	580
<b>Dissolved (Milligrams per liter)</b>					
Calcium	---	94	97	98	96
Magnesium	---	3.4	3.5	3.5	3.7
Sodium	---	20	25	25	24
Potassium	---	---	2.2	2.3	2.3
Bicarbonate	276	258	---	272	268
Chloride	46	44	41	39	38
Sulfate	38	38	36	36	35
Fluoride	---	.0	.2	.1	.2
Diss.solids	390	340	370	368	354
Hardness	---	250	---	260	260
Noncarb.hardness	---	40	---	40	40
Silica	6.8	6.8	7.3	8.1	7.3
<b>Total</b>					
Ammonia	.78	.75	.73	.77	.71
Nitrite	<.00	<.01	.01	<.01	<.01
Nitrate	---	.01	---	.01	.01
Organic.N	---	.34	---	.83	.39
Total.N	---	1.1	---	1.6	1.1
Ortho.P	.05	.05	.07	.06	.05
Total.P	.06	.05	.07	.07	.06
TOC	16	9.6	33	6.0	15
COD	0	25	---	---	---
<b>Total Recoverable (Micrograms per liter)</b>					
Aluminum	<10	---	---	---	---
Boron	---	460	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	24	---	---	---
Cobalt	---	3	---	---	---
Copper	1	<10	---	---	---
Iron	800	1000	---	---	---
Lead	---	3	---	---	---
Manganese	20	10	---	---	---
Nickel	---	4	---	---	---
Strontium	---	740	730	880	870
Zinc	50	<10	---	---	---
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2270 at OAK RIDGE - 1983-1984

Parameter	04-00-83	06-00-83	09-00-83	04-00-84	07-00-84
Temperature (C)	25.6	25.1	25.0	25.0	25.0
pH (Units)	7.7	8.0	7.0	7.6	7.3
Alkalinity (as CaCO <sub>3</sub> )	263	261	257	275	272
Color (PT-Units)	10	5	5	20	20
Turbidity (NTU)	3.5	---	---	1.8	---
Spec.cond (uS/cm)	650	675	660	670	660
Dissolved	(Milligrams per liter)				
Calcium	91	93	97	92	94
Magnesium	38.8	38.4	38.5	38.8	38.5
Sodium	---	---	---	---	---
Potassium	31.9	31.7	31.8	31.9	31.0
Bicarbonate	328	319	314	330	332
Chloride	67	70	65	67	65
Sulfate	---	---	---	---	---
Fluoride	0.0	0.2	1.0	0.1	0.1
Diss.solid	410	402	400	402	398
Hardness	---	---	---	---	---
Noncarb.hardness	---	---	---	---	---
Silica	12	12	12	13	12
Total	---	---	---	---	---
Ammonia	1.1	1.1	1	1.2	1.1
Nitrite	<.00	<.01	0.01	<.01	<.01
Nitrate	---	0.01	---	0.01	0.01
Organic.N	---	0.01	---	---	---
Total.N	---	---	---	---	---
Ortho.P	0.01	<.01	1.20	1.40	1.40
Total.P	0.02	<.01	0.02	0.02	0.01
TOC	6.0	17	10	8	12
COD	---	25	23	---	---
Total Recoverable	(Micrograms per liter)				
Aluminum	10	---	---	---	---
Boron	---	730	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	22	---	---	---
Cobalt	---	---	---	---	---
Copper	5	<10	---	---	---
Iron	1800	1500	---	---	---
Lead	---	---	---	---	---
Manganese	10	<10	---	---	---
Nickel	---	---	---	---	---
Strontium	1200	---	---	---	---
Zinc	30	10	1000	1200	660
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2038 at THE HOLLYWOOD CIRCLE - 1984

Parameter	04-05-84	07-10-84
Temperature (C)	26.0	26.0
pH (units)	7.4	7.3
Alkalinity (as CaCO3)	254	259
Color (PT-Co units)	10	20
Turbidity (NTU)	550.8	550.3
Spec.cond (uS/cm)		
Dissolved	(Milligrams per liter)	
Calcium	85	88
Magnesium	6.9	7.0
Sodium	24	25
Potassium	1.0	1.0
Bicarbonate	310	316
Chloride	34	37
Sulfate	<.1	.2
Fluoride	.1	.1
Diss.solids	262	324
hardness	240	250
Noncarb.hardness	0	0
Silica	11	10
Total		
Ammonia	<.96	<.91
Nitrite	<.01	<.01
Nitrate	.01	.01
Organic.N	.74	.39
Total.N	1.7	1.3
Ortho.P	.02	.01
Total.P	.03	.02
TOC	7.0	9.0
COD	--	--
Total Recoverable	(Micrograms per liter)	
Aluminum	---	---
Boron	---	---
Cadmium	---	---
Chromium	---	---
Cobalt	---	---
Copper	---	---
Iron	---	---
Lead	---	---
Manganese	---	---
Nickel	---	---
Strontium	1000	1400
Zinc	---	---
phenols	--	--

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2C38A at THE HOLLYWOOD CIRCLE - 1983-1984

Parameter	04-00-83	06-00-83	09-00-83	04-00-84	07-00-84
Temperature (C)	27.5	25.9	---	27.5	27.0
pH (units)	7.7	7.9	---	7.4	7.5
Alkalinity (as CaCO <sub>3</sub> )	233	245	247	259	252
Color (Pt-Co units)	20	20	30	30	40
Turbidity (NTU)	2.8	---	1.5	---	---
Spec. cond (uS/cm)	600	600	620	600	590
Dissolved	(Milligrams per liter)				
Calcium	100	110	110	110	110
Magnesium	13.9	3.9	4.1	4.4	4.5
Sodium	20	21	21	23	22
Potassium	3.4	2.5	1.8	1.6	1.5
Bicarbonate	233	299	247	316	308
Chloride	32	31	33	33	51
Sulfate	36	32	31	27	27
Fluoride	36.2	3.3	3.3	27	27
Diss. solids	385	384	382	366	396
Hardness	270	290	290	290	290
Noncarb. hardness	30	50	50	30	40
Silica	6.0	5.7	6.7	7.7	6.8
Total	-----				
Ammonia	<.46	<.47	<.52	<.68	<.60
Nitrite	<.00	<.01	<.01	<.01	<.01
Nitrate	.00	.01	.01	.01	.01
Organic.N	.23	.30	.30	.30	.30
Total.N	.69	.79	.79	.92	.92
Ortho.P	.02	.02	.02	.02	.02
Total.P	.02	.02	.02	.02	.02
TOC	8.8	9.5	8.7	10.4	11.0
COD	10	30	10	10	11
Total Recoverable	(Micrograms per liter)				
Aluminum	30	---	---	---	---
Boron	---	160	---	---	---
Cadmium	---	1	---	---	---
Chromium	---	23	---	---	---
Cobalt	---	3	---	---	---
Copper	2	<10	---	---	---
Iron	590	590	---	---	---
Lead	3	3	---	---	---
Manganese	10	20	---	---	---
Nickel	---	4	---	---	---
Strontium	960	870	---	---	---
Zinc	200	260	870	980	1000
Phenols	<1	---	---	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2374 at FLAMINGO ROAD - 1984

Parameter	04-04-84	07-17-84
Temperature (C)	24.0	24.0
pH (units)	7.4	7.3
Alkalinity (as CaCO3)	287	302
Color (PT-Co units)	40	60
Turbidity (NTU)	1.9	2.0
Spec.cond (uS/cm)	640	660
Dissolved	(Milligrams per liter)	
Calcium	110	100
Magnesium	9.9	9.8
Sodium	24	23
Potassium	1.0	1.0
Bicarbonate	351	369
Chloride	33	31
Sulfate	28	20
Fluoride	28.4	3
Diss.solids	413	404
Hardness	320	290
Noncarb.hardness	30	0
Silica	12	12
Total		
Ammonia	1.3	1.2
Nitrite	<.01	<.01
Nitrate	1.01	.01
Organic.N	1.0	.80
Total.N	2.3	2.0
Ortho.P	.02	.01
Total.P	.12	.02
TOC	17	13
COD	---	---
Total Recoverable	(Micrograms per liter)	
Aluminum	---	---
Boron	---	---
Cadmium	---	---
Chromium	---	---
Cobalt	---	---
Copper	---	---
Iron	---	---
Lead	---	---
Manganese	---	---
Nickel	---	---
Strontium	1300	1300
Zinc	---	---
Phenols	---	---

TABLE 2 -- WATER QUALITY DATA FOR SELECTED WELLS IN BROWARD COUNTY  
G-2374A at FLAMINGO ROAD - 1984

Parameter	04-04-84	07-17-84
Temperature (C)	24.0	24.0
pH (units)	7.4	7.2
Alkalinity (as CaCO <sub>3</sub> )	239	233
Color (PT-Co units)	80	120
Turbidity (NTU)	2.0	1.0
Spec.cond (uS/cm)	530	520
<b>Dissolved</b>	<b>(Milligrams per liter)</b>	
Calcium	100	96
Magnesium	7.0	6.5
Sodium	11	7.5
Potassium	292.5	285.5
Bicarbonate	19	10
Chloride	41	38
Sulfate	378.3	362.4
Fluoride	378	362
Diss.solids	280	270
Hardness	40	30
Noncarb.hardness	8.1	7.9
Silica		
<b>Total</b>		
Ammonia	.88	.89
Nitrite	<.01	<.01
Nitrate	.01	.01
Organic.N	1.7	1.9
Total.N	2.6	2.8
Ortho.P	.02	.01
Total.P	.03	.02
TOC	25	29
COD		
<b>Total Recoverable</b>	<b>(Micrograms per liter)</b>	
Aluminum	---	---
Boron	---	---
Cadmium	---	---
Chromium	---	---
Cobalt	---	---
Copper	---	---
Iron	---	---
Lead	---	---
Manganese	---	---
Nickel	---	---
Strontium	970	1000
Zinc	---	---
Phenols	---	---